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Weed Abstracts

A monthly journal compiled from the CAB ABSTRACTS database.
Produced by the DIVISION OF CROP PROTECTION AND GENETICS

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Weed Abstracts

Contents Volume 44

WEED BIOLOGY	1	63	125	187	241	295	353	411	465	521	581	651
Identification, Taxonomy	3	66	129	189	244	299	354	412	466	523	583	652
Ecology	5	67	130	191	244	300	359	412	468	524	584	653
Anatomy	10	73	139	199	252	307	365	418	472	531	592	658
Physiology	10	73	139	199	252	308	365	418	472	532	593	658
Pests, diseases	12	76	141	201	256	310	367	421	473	533	595	661
Biological control	13	79	142	202	256	310	368	422	474	535	596	662
HERBICIDES	14	80	143	202	257	310	369	422	475	536	597	663
Chemistry, properties	14	80	143	202	257	310	369	423	475	536	597	663
Analysis, residues	14	80	144	203	258	311	369	423	476	537	598	663
Toxicology	19	82	146	205	261	315	371	425	481	541	602	666
Soil, water	21	86	150	207	263	316	372	427	483	544	604	670
Physiology	24	91	154	209	264	319	374	430	493	548	609	675
APPLICATION, MACHINERY	29	96	161	216	268	324	379	435	497	552	615	679
EXTENSION	32	98	164	220	271	327	379	–	500	555	617	682
LEGISLATION	32	98	164	220	271	327	379	438	501	555	617	682
ECONOMICS	33	99	164	220	271	328	380	438	501	555	618	684
UTILIZATION	34	100	165	221	271	328	380	438	501	555	618	684
MISCELLANEOUS	–	100	–	–	272	–	–	–	–	556	–	684
CROPS (GENERAL)	34	101	165	221	272	328	380	438	502	556	618	684
CEREALS	35	102	166	221	273	329	381	439	503	557	619	685
FODDER PLANTS	40	106	168	224	277	334	384	444	508	562	622	689
GRAIN LEGUMES	42	107	169	225	278	335	385	445	508	563	623	691
ROOT CROPS	43	108	170	226	280	337	387	446	510	564	624	692
LEAFY VEGETABLES, BULBOUS VEGETABLES, STEM VEGETABLES	43	108	170	227	280	338	387	447	510	565	625	693
FRUIT VEGETABLES	43	108	170	227	280	338	387	448	510	565	625	693
TEMPERATE FRUITS	43	109	170	227	280	339	387	448	511	565	626	693
TROPICAL ANDSUBTROPICAL FRUITS	44	109	171	227	281	339	388	449	511	566	627	694
NUT CROPS	44	109	–	–	281	–	–	–	511	–	627	694
FATTY OIL PLANTS	44	110	171	227	281	339	388	450	512	566	627	694
SUGAR CROPS	45	110	171	228	282	340	389	451	512	567	628	694

STIMULANT PLANTS	46	111	172	229	283	341	390	451	513	567	628	695
FIBRE PLANTS	46	111	172	229	284	341	390	451	513	567	628	696
RUBBER PLANTS	46	112	173	–	–	–	–	451	–	568	629	–
FOREST TREES	46	112	173	230	284	342	391	451	514	568	629	696
ORNAMENTAL PLANTS	50	114	173	230	285	342	391	452	514	569	629	698
MEDICINAL PLANTS, PESTICIDAL PLANTS, SPICE PLANTS, CULINARY HERBS, ESSENTIAL OIL PLANTS, INDUSTRIAL CROPS	51	114	174	230	286	342	391	454	515	569	630	699
NON–CROP WEED CONTROL	51	114	174	230	286	343	391	454	515	570	630	699
WOODY WEEDS	51	114	175	230	286	343	391	455	515	570	630	699
POISONOUS WEEDS	53	116	176	231	287	343	392	456	516	571	632	701
PARASITIC WEEDS	55	117	178	232	288	345	394	458	516	572	633	703
AQUATIC WEEDS	56	118	179	235	290	346	406	461	516	573	634	704
OTHER WEEDS	60	120	184	237	293	350	408	463	519	577	636	705
REPORTS	–	121	185	238	–	351	–	–	–	577	636	706
CONFERENCES	60	121	185	239	294	351	409	464	520	578	637	706
BOOKS	61	122	185	239	294	351	409	464	520	578	637	706
AUTHOR INDEX	709											
SUBJECT INDEX	741											
List of source journals												

Review Articles **Volume 44**

Using remote sensing for detecting and mapping noxious plants
J.H. Everitt, D.E. Escobar and M.R. Davis 639

How to use Weed Abstracts

• Either BROWSE, using the CONTENTS

Within each issue, records are sequenced according to their principal subject matter - see CONTENTS page.

About three quarters of the records are arranged by CROP, so browsing is particularly useful to crop specialists.

The more general headings in the CONTENTS include records that cannot easily be assigned to a single crop.

• Or SEARCH, using the INDEXES

Subject indexes and author indexes are compiled monthly and cumulated annually.

SUBJECT INDEX

This guides the user to all the records that make significant reference to specific topics, including the following:

WEED SPECIES

Scientific names are used. These entries provide detailed indexing of control, biology, ecology and utilization.

CROP SPECIES

English common names are used for major crops, scientific names for minor crops and other plants. Weed control and weed/crop relations are fully indexed.

HERBICIDES AND PLANT GROWTH REGULATORS

These are indexed under their common names (see list at the back of each journal issue), or under chemical names if common names have not been assigned.

COUNTRY OR REGION

For records where geographical occurrence is of relevance.

OTHER HEADINGS

The main ones are listed here. Scan the ANNUAL INDEX for a more complete picture.

Algae
Allelopathy
Biological control
Books
Conferences
Cultural control
Databases
Defoliants
Desiccants
Economics
Equipment
Flora
Herbicide resistant weeds
Herbicide residues
*Herbicides
Integrated control
Legislation
Mycoherbicides
Physical control
Reports
Reviews
Techniques
Weed control
*Weeds

*Terms used to index records that do not refer to specific plants or chemicals.

AUTHOR INDEX

All authors of each paper are indexed alphabetically by surname. Variants of surnames are also indexed.

A TYPICAL RECORD

This contains various numbers and combinations of fields (items of information) depending on the document type. The sample abstract given below contains 10 of the most important and common fields. These appear in the order indicated in the list below.

1 Abstract number
2 Author
3 Title in English
4 Original title if in Roman script
5 Journal or other document
6 Year, volume, part number and pagination
7 Language of text, language of summaries, bibliographic details
8 Organization where work was carried out
9 Abstract
10 Preferred name, if the author uses another name

3695 MATHIASSEN, S. K.; KUDSK, P.; JENSEN, P. K. **[Adjuvants for Gallant.]** Additiver til Gallant. *SP Rapport* (1994) No. 6, 183-192 [Da, en, 8 ref., presented at the 11th Danish plant protection conference on the side effect of pesticides used on weeds] Afdeling for Ukrudtsbekaempelse og Pesticidøkologi, Flakkebjerg, 4200 Slagelse, Denmark.

In pot trials with *Poa annua*, barley and *Elytrigia repens* [*Elymus repens*], the activity of Gallant (haloxyfop-ethoxyethyl) increased when the herbicide was applied in mixtures with a mineral oil, a non-ionic surfactant or an organosilicone surfactant, whereas a vegetable oil did not affect herbicide efficacy. Increasing the carrier vol. from 160 to 300 litres/ha reduced the activity of haloxyfop-ethoxyethyl alone and with adjuvants. In field experiments with winter barley and winter rye, the inverse relationship between carrier vol. and efficacy was confirmed when haloxyfop-ethoxyethyl was applied alone, but in mixtures with a non-ionic surfactant the activity improved with increasing carrier vol.

The title should be read as an integral part of the abstract. Herbicide rates refer to concentrations of active ingredients unless specified otherwise.

TO OBTAIN A COPY OF THE ORIGINAL ITEM

Use the CAB INTERNATIONAL Document Delivery Service. A form is printed in this issue.

LIST OF JOURNALS CITED

The annual index includes an alphabetical list of all journals cited during the year.

ABBREVIATIONS

A number of easily understood abbreviations are used (e.g. sp., species). Initial letters may be used for a virus after its full name has appeared. The following are also used:

a.i.	active ingredient	FW	fresh weight	post-em.	post-emergence
conc.	concentrated	LAI	leaf area index	pre-em.	pre-emergence
concn	concentration(s)	LC	lethal concentration	RGR	relative growth rate
DM	dry matter	LD	lethal dose	RH	relative humidity
DW	dry weight	OM	organic matter	SEM	scanning electron microscope
e.c.	emulsifiable concentrate	PAR	photosynthetically active radiation	ULV	ultralow volume
EM	electron microscope			w.p.	wettable powder

In abbreviations for languages an initial capital denotes the language of the paper, an initial small letter the language of the summary.

Af	Afrikaans	Es	Spanish	Ja	Japanese	Pt	Portuguese
Al	Albanian	Fi	Finnish	Ko	Korean	Ro	Romanian
Ar	Arabic	Fr	French	La	Latin	Ru	Russian
Az	Azerbaijani	Gr	Greek	Li	Lithuanian	Sh	Serbo Croat
Be	Belarussian	He	Hebrew	Lv	Latvian	Sk	Slovak
Bg	Bulgarian	Hi	Hindi	Ma	Macedonian	Sn	Slovenian
Ch	Chinese	Hr	Croatian	My	Bahasa Malaysia/ Malay	Sr	Serbian
Cs	Czech	Hu	Hungarian	Nl	Dutch, Flemish	Sv	Swedish
Da	Danish	Ia	Interlingua	No	Norwegian	Ta	Tajik
De	German	In	Indonesian	Pe	Persian	Th	Thai
Ee	Estonian	Is	Icelandic	Pl	Polish	Tr	Turkish
En	English	It	Italian			Uk	Ukrainian
Eo	Esperanto						

CAB INTERNATIONAL Division of Crop Protection and Genetics
How the crop protection abstract journals are compiled

Review of Agricultural Entomology
Review of Plant Pathology
Nematological Abstracts
Weed Abstracts

Their purpose

These four journals are designed to keep readers in touch with developments in the crop protection sciences, by abstracting the more important world scientific literature and by publishing review articles. A calendar of crop protection events is included. The abstracts are intended to be full enough for readers to decide whether they need to see the original documents.

The scale and diversity of the agricultural source literature

Over 10,000 journals and other serial publications on agriculture and allied disciplines are received regularly by CAB INTERNATIONAL; these comprise more than 45,000 documents annually. Over 3000 books and other non-serials are also received each year. Publications are received from some 130 countries in more than 50 languages. Even though English is increasingly the international language of science, some 40% of the literature is in other languages.

Scanning and abstracting the source literature of crop protection

All these documents are scanned by CABI subject specialists and are available to the CABI Division of Crop Protection and Genetics. About 3000 journals, and numerous new books, are scanned regularly in the Division, whose staff includes specialists in entomology, plant pathology, nematology, weed science, plant genetics, and also linguists.

These specialists identify items within the scope of the four crop protection journals - broadly, scientific documents about agriculturally significant pests (invertebrates, plant pathogens and weeds), beneficial organisms, and relevant crop protection practices and products.

For each item, a record is created consisting of:

- bibliographic information
- an abstract, in English
- subject coding
- index terms.

The CAB ABSTRACTS database

These records are added to the CAB ABSTRACTS bibliographic database. This machine-readable database contains all records published since 1973 in about 50 CABI abstract journals. The total of nearly 3 million records is growing by more than 150,000 new records per year, of which about 21,000 per year are on crop protection. The database is available to users for retrospective retrieval and for maintaining current awareness of literature on defined topics. See separate page, and inside back cover.

The crop protection abstract journals

At intervals, relevant records newly added to the database are selected and become the basis for a new issue of one of the crop protection journals. Records are sorted into a standard sequence within each journal issue, according to subject matter. An author index and a subject index are generated. Cumulative indexes are generated at the end of each year.

Scientific links

Each of the four crop protection journals has its own international Editorial Advisory Board of subject specialists. Their members advise on the content and development of the journals, and commission review articles of topical interest.

The CABI Division of Crop Protection and Genetics maintains close contact with the International Institute of Entomology (IIE), the International Mycological Institute (IMI), the International Institute of Parasitology (IIP) and the International Institute of Biological Control (IIBC). These links are especially important in providing the authority for the preferred names of pest organisms used in the journal indexes. IIBC is responsible for compiling the related abstract journal *Biocontrol News and Information.*

The Division of Crop Protection and Genetics maintains close contact with subject specialists in four other Divisions of the CABI Information Services who compile 45 abstract journals covering the rest of agriculture, forestry and allied disciplines. Comments from users are always welcome. Please write to Mr Geoffrey A. Viney, Division of Crop Protection and Genetics, CAB INTERNATIONAL, Wallingford, Oxon OX10 8DE, UK.

Review Articles - Notes for Authors

General

Articles reviewing any topical aspect of crop protection are welcomed in the journals *Review of Agricultural Entomology, Review of Plant Pathology, Nematological Abstracts* and *Weed Abstracts*. They should be authoritative, personal, succinct analyses of topical subjects, aimed at the general reader rather than the specialist. (Many readers, especially in developing countries, may see few other journals covering the particular topic). A comprehensive literature review is not needed, but CABI can provide recent bibliographic records if required. Manuscripts describing original research will not normally be accepted. Reviews submitted for publication should be sent, in duplicate, to the Head, Department of Crop Protection, CAB INTERNATIONAL, Wallingford, Oxon OX10 8DE, UK. Inclusion of a disk version, preferably as an ASCII text file or in MS Word or Word for Windows, will hasten the process of publication. The paper will be refereed and edited. The final decision on acceptance rests with the Head, Department of Crop Protection. A small honorarium will be paid on publication. The views expressed in review articles are those of the authors and do not necessarily reflect the views of their employers or CAB INTERNATIONAL. The article becomes copyright of CAB INTERNATIONAL.

Text

Manuscripts should be typewritten on one side of A4 paper, lines double-spaced, with wide margins and the sheets numbered. The text should start with a short abstract (not normally more than 200 words). No more than four levels of heading should be used. Numbers up to nine should be spelt out but figures used for 10 and above, except at the beginning of a sentence (always spelt out) and before units (always in figures).

Tables

Tables should be reduced to the simplest form, and should not repeat information in the text. They should be submitted on separate sheets, with a self-explanatory caption.

Figures

Line drawings should be labelled fully, ready for reduction by about half in the printed review. Legends should be self-explanatory, and grouped together on a separate sheet. Half-tones cannot normally be included.

References

In the text, they should be cited by author and date, e.g.: "(Holt, 1992)", "Powles & Matthews (1992) reported...", "(Jorrín *et al.,* 1992)". At the end of the review, they should be listed alphabetically, for example:

Holt, J. S. (1992). History of identification of herbicide-resistant weeds. *Weed Technology* **6**, 615-620.

Jorrín, J.; Menéndez, J.; Romera, E.; Taberner, A.; Tena, M.; Prado, R. de (1992). Chlorotoluron resistance in a blackgrass (*Alopecurus myosuroides*) biotype is due to herbicide detoxification. *Proceedings of the 1992 Gent Crop Protection Conference, Weeds*, pp. 1047-1052.

Powles, S. B.; Matthews, J.A. (1992). Multiple herbicide resistance in annual ryegrass (*Lolium rigidum*): a driving force for the adoption of integrated weed management. *In: Achievements and developments in combating pesticide resistance* (Ed. by Denholm, I.; Devonshire, A. L.; Holloman, D. W.), pp. 75-87. Elsevier, London, UK.

Offprints

Thirty free offprints will be sent to the first author of each article. Further copies may be obtained on payment, and the number required should be specified when the proofs are returned.

CAB INTERNATIONAL Electronic Publications

CAB ABSTRACTS Database

All of the bibliographic references and abstracts published in any CABI Abstract Journal are included in a computerised database called CAB ABSTRACTS. The database, containing nearly 3 million records and dating back to 1973, is available in a variety of electronic formats, to suit every need.

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- STN
- DataStar
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- ESA-IRS

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CABPESTCD - crop protection and pest management

SOILCD - soils, water and land management

HORTCD - horticulture, ornamental horticulture and plantation crops

PLANTGENECD - plant breeding and genetics

AGECONCD - agricultural economics and rural development

CROPCD - field crops, fodder crops and grasslands

E-CD - environmental degradation, amelioration and conservation

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CABIKEY - interactive identification key for various groups of insects and other organisms.

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AUTHOR INDEX

Aaron, I. 1002
Aarssen, L. W. 1396, 1767, 2251
Abad, R. G. 1021
Abahamid, A. 4099
Abate, L. 3122
Abaye, A. O. 302
Abbas, H. K. 1022, 3016, 3221, 3545
Abbasher, A. A. 395, 2919, 4732-4733
Abbasi, S. A. 880
Abbott, R. J. 2637
Abd-Alla, M. H. 1494
Abd-El-Haleen, A. K. 3820
Abd-El-Hamid, M. 2419
Abdalla, M. F. 1435
Abdalla, M. M. F. 2957
Abdel-Hameed, M. S. 4283, 4290
Abdel-Hamid, M. I. 1073, 1077
Abdel-Rahman, A. M. 2058
Abdul Wajid 2600
Abdullahi, U. B. 2007
Abe, F. 68
Abe, H. 4570
Abell, L. M. 4961
Abell, M. T. 4456
Abenhaim, L. 155
Abernathy, J. R. 712
Abernethy, D. J. 4107
Abernethy, R. J. 3903, 4135, 4195, 4203, 4250, 4252
Abian, J. 4916
Abid, M. 2545
Abidi, N. 2665
Abonyi, T. 5149
Abou-Mandour, A. A. 63
Abou-Waly, H. F. 4534
Abou-Zeid, N. A. 707
Abraham, C. T. 4389
Abrahamson, L. P. 700-701
Abrahamson, W. G. 2174
Abrams, S. R. 1501, 1820
Absood, A. 3600
Abu Dooh, A. M. 2506
Abu-Irmaileh, B. E. 1775, 2977, 2980, 4648, 5087
Abu Sbaih, H. 2941-2942
Abu Sbaih, H. A. 2550
Abulnaja, K. O. 1945
Acatrinei, L. 1666
Achard, R. 4228
Achenza, A. 2615
Acher, A. J. 1487
Acín-Díaz, N. M. 1232
Acker, R. C. van 940
Ackerly, D. D. 928
Adair, R. J. 825
Adam, L. 739, 1225
Adam, S. E. I. 2913, 4046, 4048
Adamczewski, K. 793, 2887, 3749, 4125, 4158, 4609, 4615, 4626, 4673, 5096
Adamiak, E. 2812
Adams, D. L. 4699
Adams, J. 500
Adams, S. K. 3898
Addison, P. J. 3938
Ade, G. 1658
Adejuyigbe, T. A. 1106
Ademola, J. I. 1477
Aderhold, D. 625, 3638
Adesina, A. A. 750, 3281
Adhaoo, S. H. 2874
Adhikary, S. P. 419
Adité, A. 4307
Adityachaudhury, N. 4525
Adkins, A. L. 898
Adkins, S. W. 898, 3546
Adler, L. S. 1818
Adomas, B. 4680
Adrian, N. R. 636
Adu, A. A. 1805
Aebischer, N. J. 3953
Aeschlimann, J. P. 4767
Afghan, S. 1230
Afifi, M. S. 4276
Åfors, M. 2825
Afşar, H. 3862
Aga, D. S. 1045
Agarkov, A. L. 1655
Agarwal, S. K. 518
Agasimani, C. A. 3356
Agha, N. A. 457
Agrawal, M. 3178, 3503
Agrawal, R. K. 3266
Ågren, J. 439
Agro-Chemicals News in Brief 1172
Agudo, M. 4019
Aguilera, A. 1387-1388
Aguilera, C. 3360
Aguirre, G. J. 3959
Ahlawat, V. P. 1800
Ahlaway, I. P. S. 765
Ahmad, K. J. 372
Ahmad, M. N. 4466
Ahmad, M. R. 1651
Ahmed, K. E. 4046, 4048
Ahmed, K. I. 3347-3350
Ahmed, M. 1786, 2113, 3053
Ahmed, S. S. 1014
Ahmed, V. 709
Ahn, J. K. 3058
Ahn, J. M. 4894
Ahonen, A. 1087
Ahrens, U. 3985
Ahrens, W. H. 310, 4578
Ahuja, K. L. 2787
Ahuja, K. N. 2065, 2505
Ahuja, P. S. 1757
Aibar, J. 2436
Aikawa, M. 3154
Ainsworth, C. C. 2273
Aioub, A. A. A. 1930
Aipe, K. C. 4630
Aitzetmüller, K. 515-516
Aizawa, H. 5046
Aizawa, T. 3661
Ajlani, G. 3217
Ajuonu, O. 4307
Akagi, K. 1065
Akahori, F. 1481, 3147
Akatsuka, T. 4569
Akçin, G. 848, 3862, 4295
Aken, M. E. 1276
Akeroyd, J. R. 2675
Akey, W. C. 1000
Akhani, H. 3857
Akhtar, A. S. 2705
Akinola, M. O. 447-448
Akintunde, A. Y. 1690
Akinyemiju, O. A. 3186
Akpagama, K. 3952
Akpagana, K. 979
Akubue, P. I. 4040
Al-Faiz, C. 3916
Al-Kathiri, C. R. 4806
Al-Khatib, K. 1122, 1627, 3307, 3811, 4664
Al-Menoufi, O. A. 1684, 2978
Al-Rahban, B. 2309-2310, 2886, 3828
Al-Sayed, A. A. 1014
Al-Thahabi, S. 4648
Al-Thahabi, S. A. 1775
Al-Wakeel, S. A. M. 4830
Albaigés, J. 4316
Albanis, T. A. 4078
Albert, H. 3428
Albert, R. E. 3149
Alberti, J. 2437
Alberti, U. D. 3117
Albertini, L. 4498
Albini, S. M. 532
Albrecht, M. 1833, 4564
Albrecht, S. 1547
Albrechtová, J. T. P. 1107
Alcaraz, F. 2633-2634
Alcaraz, R. 3125
Alcober, J. A. 3061
Aldhous, J. R. 338
Aldrich-Markham, S. 829
Ale Agha, N. 457
Alencastro, L. F. de 3558
Alexander, M. 182, 610
Alexander, P. R. 234
Alexandre, M. A. V. 548
Alexandri, A. A. 687
Alexandridis, K. 4144
Alfarhan, A. H. 1694
Ali, A. M. 2030
Ali, A. S. 1028
Ali, M. A. 3434
Ali, M. K. 4268
Ali, M. M. 5172
Ali-Haimoud, D. E. 4498
Alin, M. F. 1002
Alla, M. M. N. 3696, 4966
Allan, H. 4723
Allard, R. W. 2638
Allchin, C. R. 1471
Allegretti, L. I. 5154
Allemann, J. 1518, 2777
Allen, F. 2102
Allen, H. L. 349
Allen, P. 2092
Allen, R. 3566, 3890
Allen, R. L. 3126, 4194
Allen, V. 257
Allen, V. G. 302
Allen-King, R. M. 4934
Alley, W. M. 140
Allison, J. R. 4269
Allison, M. J. 179
Allsopp, J. 3587
Alm, D. M. 475, 4421
Almeida Lima, A. de 4692
Almeider Engler, J. de 90
Alonso, S. 2228, 2492
Altan, Y. 1699
Altenberger, R. 4945
Altom, J. V. 3830
Altomare, G. 4486
Aluri, R. J. S. 1347
Alvarez, D. P. 4939-4940
Alvarez, M. 806
Alvarez Martinez, M. J. 3396
Alves, P. L. C. A. 4330, 4357
Alzueta, C. 4622
Amanov, K. 1479
Amara, A. 2536
Ambasht, R. S. 3005
Ambe, J. T. 4653
Ambrogioni, L. 559
Ambrósio, L. A. 2730
Ambrosoli, R. 635
Ambulkar, B. R. 2881
Americanos, P. G. 3805
Amigo, J. 2186
Ammatu-N-Noor 709
Ammer, U. 2216
Ammon, H. U. 4904
Amoros, C. 1289
Amrhein, N. 373
An, G. H. 81
Anai, T. 4542
Anandkumar, A. 152
Ananthakrishnan, T. N. 2708
Anaya, A. L. 4568
Andary, C. 2943, 3430
Anderberg, R. J. 443
Andersen, J. L. 2397
Andersen, Ø. M. 4425
Andersen, S. 1072
Andersen, S. B. 1463
Anderson, B. E. 1113
Anderson, G. J. 2104
Anderson, H. M. 4324
Anderson, J. L. 777-778
Anderson, J. M. 3084
Anderson, L. W. J. 3869, 5174
Anderson, M. D. 1223
Anderson, M. G. 3444
Anderson, M. P. 2366
Anderson, R. C. 1770
Anderson, R. D. 2744, 4054
Anderson, R. L. 60, 858
Anderson, T. A. 4935
Andersson, L. 209, 1530, 1929, 1933, 4104
Andersson, S. 56, 4348
Andino, V. 1774
Ando, M. 3095, 4043
Andoh, A. 4111-4112
Andrea Ares, J. L. 2427
Andreoni, V. 635
Andreozzi, R. J. 2738
Andrews, D. J. 396
Andrews, K. L. 4438
Aneja, K. R. 4725
Ang, B. N. 947, 2653
Angadi, S. S. 2152
Angadi, V. V. 2021
Angel, D. N. 4217
Angelo, R. 2671
Anger, W. K. 4590
Anjan Bhattacharyya 4525
Anjana Srivastava 612, 4474
Anju Sharma 4725
Anklin, C. G. 4276
Ankumah, R. O. 4929
Anlauf, R. 139
Anobah, S. 3737
Ansari, A. A. 3858
Antigua, G. 751, 1202, 1780
Antkowiak, J. 792
Antognini, J. 1978
Antomarchi, A. B. 1796
Antón, F. A. 3242
Anton, R. 5156
Antonaci, C. 70
Antonelli, A. 4223
Antonious, G. F. 4527
Antonius, K. 1252
Antonova, T. S. 2990
Anwar, W. A. 1474
Anyszka, Z. 2485, 2490, 3801, 4221, 4704
Aoki, S. 4476
Aono, M. 3196
Aoshima, H. 1003
Ap Rees, T. 2264
Aparicio, A. 3420
Apel, K. 838, 1681
Aphalo, P. J. 4790
Aponte, A. 2865
Apori, S. O. 3246
Apostolova, E. 1837
Appenroth, K. J. 1290, 1711, 5164
Ara, S. 1362
Arafa, M. S. 5089
Arai, K. 3095
Arai, N. 3192
Arakawa, N. 4886
Arantegui, J. 2749
Arauzo, M. 4622
Arbuzov, A. I. 1968
Arcas, J. B. 2730
Arciniegas, C. I. 98
Ardales, S. 3177
Arendall, B. 3897
Argel, P. J. 2847
Arias, D. M. 918
Arias, E. 1900
Arienzo, M. 1490, 3620
Arishima, K. 1481
Arita, H. 2443, 5049-5052
Arita, S. 1058
Arjoon, D. S. 628
Armenta Soto, J. L. 875
Armién, A. G. 3413
Armstrong, A. C. 3635

Arnaud, L. 1142
Arnaud, M. C. 2121, 4279
Arnold, D. J. 3645
Arnold, G. M. 1750, 4801
Arnold, K. A. 1556
Arokiaraj, A. 5074
Arondel, V. 524
Arora, R. K. 1259, 3848
Arrigoni, P. V. 2619
Arrufat, A. 4991
Arshad, M. A. 269, 2416, 2821
Aruna Rajagopal 4627
Arya, M. P. S. 1779
Arya, P. S. 774, 2488
Asai, M. 4639, 5064
Asakawa, Y. 3394
Asami, T. 3692
Asano, T. 1163, 3702
Ascard, J. 1580, 1719, 3327, 3883, 4141, 4156
Ashby, M. M. 4634
Ashcroft, R. 717
Ashish Kumar 5176
Ashman, T. L. 3471
Ashton, I. A. 1945
Askarian, M. 2460
Aslam, M. 1213
Asokan, R. 386
Aspden, W. J. 3414
Asperen, P. van 4601
Aspmo, R. 1095
Assemat, L. 4791
Assini, R. 4892
Assuit, J. 3907
Ast, A. van 2937, 2985
Astier, C. 3217
Asztalos, B. 3603
Atakhanov, G. O. 489
Atakhanov, V. O. 489
Atanasov, A. I. 3689
Atkins, L. 4727
Atkinson, C. J. 509
Atokple, I. D. K. 2987
Atsumi, K. 1025
Atwal, S. S. 656
Aubin, A. J. 2332, 4912
Augsten, H. 1290, 2569
Augustin, B. 3253
Auld, B. A. 3115, 3992, 3994, 4318
Aumen, N. G. 1301
Aune, J. B. 745
Ausmane, M. Zh. 3756
Austin, D. A. 4706
Austin, D. J. 3608
Australia, Animal and Plant Control Commission 4756
Ausubel, F. M. 530, 4431
Autio, W. R. 2869
Avni, A. 1487
Awad, A. 4731
Awadalla, O. A. 2892
Awah, M. T. 2562
Awasthi, A. K. 3266
Awasthi, R. P. 4229
Aweke, G. 3881
Aylsworth, J. D. 3524
Ayres, P. G. 382, 545, 2703, 3104, 3987
Azevêdo, D. M. P. de 2201, 3834
Azimova, Sh. S. 1060
Azizuddin, M. 1961
Azzam, A. M. 1457
Ba, A. T. 19
Baattrup-Pedersen, A. 3876
Babaev, A. G. 236
Babalad, H. B. 2021
Babalonas, D. 1299-1300
Babcock, J. M. 4649
Babczinski, P. 4448, 4561
Babel, W. 4522
Babik, J. 4220
Babiker, A. G. 2552
Babiker, A. G. T. 2979, 2996
Bablak, P. 4942
Babu, A. 4268
Baburaj, D. S. 3487
Babyak, N. V. 637
Bacci, E. 4050, 4072, 4505
Bachthaler, G. 952-953
Bachulkar, M. P. 1367
Bachvarova, R. I. 3689
Bačić, Z. 2529
Backman, P. A. 2715
Badami, S. 1687
Bădărău, S. 3107
Badawy, S. M. 3347-3350
Badejo, M. A. 1106
Badiyala, S. D. 4229
Badon, R. 676
Baehr, K. 631
Baer, U. 2323
Baerdemaeker, J. de 691
Bagatto, G. 557
Bagchi, S. N. 4304, 4861
Bagegni, A. M. 2032
Bagetta, G. 159
Baggett, H. 1729
Baghaday, G. A. 5089
Bagley, A. C. 605
Bagley, W. 220
Bagnall, L. O. 1717
Bagonneaud-Berthome, V. 4279
Bagwell, R. D. 5106
Bahhady, F. 708
Bai, E. K. L. 766
Bai, R. K. 4738
Bai, Y. 892
Bai, Y. G. 4329
Baicu, T. 687, 3233
Baig, M. N. 54, 1595
Bailey, A. M. 4105
Bailey, D. A. 4995
Bailey, J. A. 2008, 2127, 3001, 3429
Bailey, J. P. 12, 3948
Bailey, K. J. 1471
Bailey, S. W. 623, 3587, 3890
Baillaud, L. 2267
Bain, M. B. 1485
Bains, S. S. 3984
Baĭrambekov, Sh. B. 3338
Bairamov, Kh. B. 4964
Baird, W. V. 3686
Bajpai, R. P. 758, 764, 2450, 3785, 4205
Bajwa, G. S. 1641, 2496, 2870
Bakelana, K. B. 2658
Baker, A. C. 3398
Baker, A. J. M. 1771
Baker, D. A. 4096
Baker, D. B. 1886
Baker, J. L. 2327, 3167
Baker, J. R. 4995
Baker, R. G. 1703
Baki, B. B. 5143
Bakke, J. E. 600
Bakos, A. 5162
Bakry, M. F. 2151
Bakuniak, E. 4230, 4704
Bal, J. S. 2496
Balachandran, S. 1540
Balajee, S. 1496
Balakrishna, A. N. 2762
Balakrishnan, N. P. 1366
Balasubramanian, P. R. 4738
Balcells, L. 534
Balcerkiewicz, S. 2629, 2661, 2678
Balciunas, J. K. 368, 824, 3543, 4258
Baldauf, G. 570
Baldi, M. 1470
Baldock, J. A. 4086
Baldoíno da Nóbrega, L. B. 2201
Baldoni, G. 1658
Baldwin, I. T. 2166
Baldwin, N. A. 2521
Baleato, J. C. 2225
Balesta, P. S. 3802
Bali, A. S. 2025
Bali, G. 834
Balke, N. E. 1810, 2346
Ball, B. M. 4793
Ballaré, C. L. 1740, 4790
Ballesteros, E. 402
Balneaves, J. M. 354
Balsevičius, A. 4772
Baltazar, A. M. 1610-1611, 1613, 2024
Baltus, P. 4635
Baltus, P. C. W. 3002
Balu, K. 1886
Balyan, R. S. 735, 2045, 2504, 2820, 4616
Bamaszkiewicz, T. 2747
Bamiro, F. O. 4824
Banafar, R. N. S. 4655
Banaras, M. 936
Banaszak, H. 724, 793
Bancall, M. 4764
Banerjee, S. 1757, 3359
Banga, M. 1708
Banga, S. S. 2787
Banijamali, A. R. 3595
Bankova, V. S. 3689
Banks, J. A. 3585, 4769
Banks, J. C. 3830
Banks, P. A. 2320, 2435
Bannister, P. 1421
Bano, Q. 4002
Bansal, G. L. 4380
Banton, O. 4919
Bänziger, I. 547
Baptistella, C. S. L. 4669
Bar Nun, N. 2983
Baranger, A. 459
Bararpour, M. T. 2206
Barber, B. L. 354
Barberis, S. 2616
Barbieri, F. 4036
Barbina, M. T. 3567
Barbirato, M. A. 4009
Barbosa, J. D. 3413
Barbosa, P. 2709
Barbour, J. C. 4373
Barbour, J. G. 1705
Barceló, D. 2284-2285, 4017, 4468, 4916
Bard, D. 155
Bardon, A. 3531
Barefoot, A. C. 5046
Barendse, G. W. M. 2144
Bärenwald, G. 199
Bargale, M. 5025
Bargel-Faul, M. 5005
Bargutti, A. 2964
Barinova, O. V. 124
Barker, A. V. 3387
Barker, G. M. 3938
Barkova, L. I. 4947
Barkworth, M. E. 2192
Barman, S. C. 3044
Barnabas, I. J. 4459
Barnes, R. F. 215
Barnhardt, M. L. 4875
Barni, E. 2668
Barnwell, P. 3232
Barque, J. P. 4099
Barr, A. R. 3768
Barr, C. J. 963
Barradas, I. 36
Barrat, M. H. 1289
Barratt, B. I. P. 2707
Barrault, G. 4498
Barreda, D. G. de 4515
Barrentine, W. L. 4409
Barreto, R. W. 2712, 3979, 4714
Barrett, M. 2356, 4097
Barrett, P. B. 1948
Barrett, P. R. F. 1316, 2576
Barrington, S. 628
Barriuso, E. 136, 2323, 3176
Barro, C. 4622
Barros H, R. P. 464
Barros Henriques, R. P. 464
Barthakur, B. K. 1918
Bartlett, D. W. 4943
Bartlett, S. G. 86
Bartley, G. E. 72-73
Bartley, M. R. 4671
Bartling, D. 522
Bartodziej, W. 3443
Bartoletti, C. 3579
Bartolini, D. 3804
Barton, J. L. 3581
Bartsevich, V. V. 3203
Baruah, D. 1794
Baruah, N. C. 2342
Baryła, R. 298
Barz, W. 1137
Basahy, A. Y. 3946
Basavaraj, P. K. 2882
Bashan, Y. 4356
Bashir, M. 2862
Basile, E. 1187
Baskaran, S. 175
Baskin, C. C. 1744, 2598
Baskin, J. M. 1744, 2598
Baskin, T. I. 1830
Baskunov, B. P. 2759
Basler, P. 3344
Bass, N. M. 600
Bassi, A. 3116
Basso, F. 982
Bassyoni, F. M. 206, 1139
Basta, N. T. 2286, 3164
Bastian, C. T. 3305
Bastian, M. 2283
Bastide, J. 676, 4571
Batchelor, C. H. 3630
Batchelor, W. D. 474, 3492
Batten, P. L. 603, 4322
Battikhi, A. M. 732
Baturo, W. 4495
Baud, F. 3152
Bauer, K. 1451, 2702
Bauer, R. W. 4055
Bauer, T. A. 4646, 5071
Baugher, D. G. 591
Baumann, D. T. 1632
Baumann, R. A. 133, 3560
Baumann, W. 4021
Bäumel, P. 1695-1697
Baumgardner, E. S. 4492
Baumgartner, T. 4083
Baur, P. 1923, 4093
Bautista, A. R. P. L. 389
Bauw, G. 527
Bauwens, S. 77
Bavaliya, N. K. 1678
Baxter, J. 4147
Bayaa, B. 879
Bayer, D. E. 4547, 4558
Bayet, C. 3974
Baylis, A. D. 229
Bayram, E. 4702
Baziramakenga, R. 2205
Bazzaz, F. A. 925, 928, 1766, 2647
Beach, E. D. 259
Beale, M. H. 3181, 3183
Beamand, J. A. 4491
Bean, A. R. 3911
Bean, B. W. 729, 5127
Beaty, J. D. 1612, 5109
Beaumont, G. 2149
Beaumont, P. 699
Beby, R. 1791
Beck, D. E. 730
Beck, E. 1505
Beck, J. P. 5156
Beck, K. G. 5061
Beck-Westermeyer, M. 2289
Becker, B. 1870
Becker, R. L. 285
Becker, W. M. 374, 4716
Becker-Arnold, R. 3651
Beckert, C. 2702, 4829
Bedi, J. S. 2877
Beerling, D. J. 3473, 3948
Beese, F. 165
Beest, D. O. te 2277
Beestman, G. B. 1160
Beetham, J. K. 189
Beffagna, N. 3872
Beffy, J. L. 948
Begam, H. H. 2147
Begat, S. 5081
Begonia, M. F. T. 3923
Begum, S. 3008
Begum, S. S. 846
Behçet, L. 1699
Behera, B. 1642
Behera, K. S. 3861
Behki, R. 4519
Behl, H. M. 372
Behl, M. K. 433
Behmer, D. J. 1067
Behrendt, H. 4095
Beier, R. C. 4322

Beinhofer, P. 20
Beitz, H. 1883
Beix, Y. 4852
Bejarano, M. 4528
Bekierz, G. 1563
Belaib, D. 5115
Bélanger, A. 1007, 4701
Bélanger, R. R. 4600
Belcher, R. O. 1271
Beldea, V. 3332
Belgium, Comité voor Onderzoek op Groentegewassen, Sectie I 862
Belgium, Institut International de Recherches Betteravières 1321
Belkind, B. A. 1455
Bel'kov, V. P. 4947
Bell, C. E. 2656
Bell, C. L. 2280
Bell, D. K. 1646
Bell, F. W. 3364, 3367, 3369-3370
Bell, J. N. B. 2683
Bell, M. R. 1011
Bell, S. 4004
Bell, W. E. 1004
Belli, S. 156
Bellinder, R. R. 248, 2774
Belobrov, A. V. 1656
Beltman, W. H. J. 4073
Beltrán-Heredia, J. 2748
Beltrano, J. 2213
Ben-Hod, G. 2551, 2951
Ben Said, M. S. 2536
Bendix, M. 4292-4293
Benfenati, E. 3557, 3562
Benfey, P. N. 450
Bengtson, R. L. 4510-4511
Bengtsson, J. 3050
Benini, G. 3794
Benitez, F. J. 2748
Benitez, J. L. 2226
Beniwal, S. P. S. 879, 2955, 4208
Bennett, F. D. 3543, 5186
Bennett, J. H. 3092
Bennewitz, A. 1184
Benoit, D. A. 4053
Benoit, D. L. 663, 4701
Benoit, F. 3335-3336
Benoit, P. 136
Bensch, C. N. 2366
Bensi, L. 4072
Bent, A. 4429
Benton, J. M. 4544
Bentsink, L. 2948
Benveniste, P. 3199
Benvenuti, S. 467, 897, 1919, 4418
Bérard, L. S. 4088
Beraru, C. 4396
Beraud, J. M. 291
Berdeaux, O. 3558
Berendse, F. 1379, 1390
Béres, I. 2165, 4765
Berg, F. van den 4874
Berg, M. van den 4294
Berge, D. 1072-1073, 1077
Bergelson, J. 932
Bergmann, C. 1278, 2929
Bergmann, H. 4285
Bergounioux, C. 90
Bergström, G. 4426
Berisford, Y. C. 4878
Bermel, P. L. 4023
Bernhard, W. R. 520
Bernhardt, D. 2599, 4328
Bernier, G. 1373
Bernstein, M. 2146
Berntson, G. M. 2111
Berny, P. 3401
Berrie, A. M. 5088
Berrill, M. 164
Berry, J. A. 510, 1834
Bershia, H. I. 3600
Bertauche, N. 78
Bertges, W. 3379
Bertheussen, K. 4490
Berthold, D. A. 531
Berti, A. 1210, 1605, 2579
Bertini, R. 1476
Bertolotto, S. 2616
Bertoluzza, A. 4968
Bertram, A. 3719
Bertram, S. 164
Berzin'sh, A. V. 3756
Beskow, A. M. da S. 4265
Beskow, W. B. 4265
Best, B. A. 531
Bester, K. 3578
Betancourt, M. A. 806
Betteridge, K. 4265-4266
Betters, D. R. 340, 342
Bettini, G. 558
Beuret, E. 3344
Bevitori, R. 305
Bewick, T. A. 1787
Bewley, J. D. 2912
Beyer, W. F, Jr. 4958
Beyers, D. W. 4496
Beyers, E. A. 3129, 4101
Beynon, J. L. 528, 541, 4428
Bezemer, T. M. 2970
Bezkorovaĭnyĭ, N. A. 3238, 3697
Bezutte, A. J. 4357
Bhadoria, R. B. S. 2043, 3358
Bhagat, K. L. 2837
Bhagawati, P. C. 2815
Bhalla, M. K. 4537
Bhan, V. M. 2817, 4380
Bhargava, G. P. 2235
Bhargava, L. P. 1692
Bhargavi, K. 2026, 3293, 3788
Bhat, S. S. 4214
Bhati, D. P. S. 2317
Bhati, D. S. 3386
Bhatia, A. K. 2482
Bhatia, R. K. 2019
Bhattacharya, M. 3286, 3359
Bhattacharya, R. 3878
Bhattacharya, S. P. 2464, 2501, 3286, 3359
Bhattacharyya, A. 4525
Bhattacharyya, M. 2139
Bhattacharyya, P. R. 1976
Bhatti, M. A. 4664
Bhosle, R. H. 1226
Bhowmik, P. C. 456, 1141, 3193, 3380
Bhutani, V. P. 4661
Bhuyan, K. C. 606
Biagini, R. E. 4492
Bianchi, M. 1476
Bianco, V. V. 5068
Bibikova, T. N. 3877
Bicknell, R. A. 1755
Biddinger, G. R. 4325
Biddlestone, A. J. 5169
Bier, F. F. 1046, 1545
Biere, A. 4412
Biernacki, M. 2574, 4303
Bierner, M. W. 1843
Biget, J. P. 4247
Biggar, J. W. 3130
Bijlsma, R. 921
Bil', K. Ya. 2360
Bilandžić, M. 2061
Bilang, R. 216
Bilich, D. 378
Biller, A. 1841
Biller, R. H. 1952
Billore, S. D. 5025
Binarová, P. 1148
Binder, R. G. 3097-3098
Bingham, G. E. 777-778
Bingham, I. J. 3908
Binkley, D. 340
Binojkumar, M. S. 1366
Biondi, E. 2679
Biradar, D. P. 2152, 4042
Birch, C. P. D. 4335
Birk, J. H. 3551
Birtley, R. D. N. 1889
Biryukov, S. V. 2360
Bischoff, R. F. 4605
Bishcoff, R. 3020
Bishnoi, L. K. 798
Bitar, H. 3554
Bitonti, M. B. 4300
Bjelk, L. A. 424, 2374
Bjugstad, A. J. 1208
Bjugstad, N. 692
Blaauboer, B. J. 1482
Blab, J. 549
Black, D. B. 1033
Black, L. D. 1809
Black, L. L. 4434
Black, R. A. 29
Blackburn, E. 2758
Blacklow, W. M. 4911, 4924
Blackshaw, B. P. 4142
Blackshaw, R. E. 54, 277, 312, 322, 1650, 1777, 1997, 2338, 3236, 3269, 5078
Blackshaw, R. P. 4131
Blaha, A. 20
Blair, A. M. 272, 1159, 3078, 3890
Blaise, S. 30
Blake, T. K. 435
Blanc, D. 2003, 3770, 5034
Blancato, J. N. 575, 592
Blanco, F. J. 3705
Blanco, F. M. G. 2293
Blanco, H. G. 2293, 2730
Blank, R. R. 1382, 2102, 3919
Blas, C. de 93
Blasi, C. 2679
Blatt, M. R. 1426
Blattner, R. 1450
Blecharczyk, A. 4209, 4640
Bleecker, A. B. 1499
Bleiss, W. 205
Bleyaert, P. 2864
Block, M. de 527
Blom, C. W. P. M. 1380, 1708, 1819, 2144, 2768-2769, 3491, 4302
Bloomberg, J. R. 2428
Blouin, D. C. 3312
Blum, S. 895
Blumenfeld, T. 1660, 2867
Blumhorst, M. R. 633
Blumrich, H. 444
Blunck, M. 4448
Boatman, N. D. 274, 959, 969, 1325, 3075, 3926
Bobovskĭi, V. N. 3707
Boccelli, R. 3655
Bochare, P. A. 1226
Bochkareva, L. M. 3793
Bocoum, F. S. 980
Bodson, B. 1582
Boedeker, W. 4945
Boeken, B. 4709
Boerboom, C. 453
Boerboom, C. M. 1122, 3317
Boesten, J. J. T. I. 2746, 4073
Böger, P. 1121, 1533, 1941, 2363, 3693-3694, 4453, 4563, 4857
Bogus, E. R. 569
Bohannan, D. R. 4973
Bohl, W. H. 3929
Böhm, H. 201
Bohnert, H. J. 3897
Böhrnsen, A. 3716
Bohušová, T. 153
Boisdon, V. 1718
Bojarczyk, M. 4807
Bojas, Z. 1623
Bojňanský, V. 4387
Bolan, N. S. 175
Bolaños Espinoza, A. 4211
Boller, W. 760
Bollig, J. J. 5132
Bollinger, J. 3664
Bolton, H., Jr. 1383, 4783
Boltz, S. E. 1485
Bolwell, G. P. 3431
Bolzacchini, E. 3550
Boman, R. K. 3830
Bon, K. B. van 4601
Bonadio, A. 4004
Bonaly, J. 4099
Bond, A. E. 590
Bond, J. F. 1674
Bond, P. M. 119
Bond, W. P. 4434
Bonetti, A. 2723, 3572
Bonilla, J. S. 1796
Bonis, A. 1297
Bonnefoy, M. 5020
Bonnemain, J. L. 198
Bonnet, M. E. 1158
Bonnin, P. 1838
Bonora, S. 4968
Boon, P. I. 2140
Boote, K. J. 474
Boppré, M. 1841
Borah, U. K. 5072-5073
Boratyński, A. 2623
Borbély, G. 2373
Borchers, U. 3663
Bordoloi, D. N. 1976
Bordonneau, M. 413
Borg, S. J. ter 1686, 2937, 2953, 2970, 2985, 3002, 3425, 3458
Borger, J. A. 3378
Borgers, M. 3416
Borghi, F. M. 2814
Borgo, M. 2871
Borgohain, B. 2088
Borisova, T. A. 5171
Borkovec, V. 643
Börner, H. 1737
Bornette, G. 1289
Bornman, J. F. 1431
Borrero, S. 2253
Bortolo, R. 1546
Borukaev, V. N. 3778
Borysiak, J. 2621
Bos, H. J. 3936
Bose, S. 3213
Bosio, A. 1059
Bossan, D. 2297
Bosschaert, L. M. 1158
Bostock, P. D. 2917
Boström, U. 1988
Botha, C. E. J. 2367
Botha, E. 1052
Botta-Dukat, Z. 2178
Bottalico, A. 3108
Böttger, W. 3262
Botto, J. F. 4762
Bough, J. 3724
Bouguerra, M. L. 3577
Bouhache, M. 388, 3511
Bouhatous, B. 2852
Boulet, C. 388
Bounejmate, M. 3950
Bourdôt, G. W. 861, 3903, 3945, 4309, 4442, 5060
Bourdouxhe, L. 3800
Bourezgui, Y. 4099
Bourgeois, T. le 2153, 3887, 3956, 4852
Bouse, L. F. 1257, 1550
Boussim, I. J. 4273-4274
Boutahar, K. 4172
Boutin, C. 966, 3145, 3436, 4996
Boutouria, M. 2536
Boutsalis, P. 4410, 4556
Bouw, W. J. 3271
Bouwmeester, H. J. 1743, 4763
Bouzaher, A. 1176
Bouzinac, S. 655
Bovey, R. W. 1257, 2530
Bovolenta, S. 1658
Bowden, G. 658
Bowerman, P. 42, 260, 1984
Bowers, M. D. 1432, 1818, 3072
Bowes, G. G. 955, 1617, 4567
Bowles, M. R. 1043, 2739
Bowling, D. J. F. 995
Bowman, G. J. 824
Bowmer, K. H. 3440, 3442
Boyarchenkova, M. M. 3698
Boyd, J. 3301
Boyd, R. S. 3371
Boyd, S. L. 2382
Boydston, R. A. 314
Boyer, J. E. 3795
Boyette, C. D. 1022, 1445, 3545, 4440
Boykin, D. L. 4194
Boyle, C. 567
Boynton, J. E. 3216
Bozán, J. I. R. 2117

Bozhenkov, A. V. 3723
Bozoukov, H. 2891, 2981
Bracey, M. H. 86
Bracken, E. 387
Bradford, J. M. 3832, 4975
Bradshaw, L. D. 2356
Brady, J. F. 2302
Braga, N. R. 305
Bragazza, L. 2676
Bragg, A. L. 4361
Brahmachari, G. 4736
Brahmam, M. 3485
Brain, P. 1731, 4133
Bramary, F. 594
Brambilla, A. 3550
Bramel-Cox, P. J. 396
Bramley, P. M. 1942
Brammall, R. A. 3271
Brand, D. G. 4086
Brandão, M. 3011, 3062
Brändle, G. 547
Brändle, R. 4745
Brandrud, T. E. 2136, 3865
Brandt, I. 3156
Brandt, P. 71
Branham, B. E. 1082
Brannigan, L. H. 2280
Brar, D. S. 1131
Brar, G. S. 665
Brar, J. S. 1850
Brar, L. S. 2041, 2082, 2517, 2884, 4165
Brar, S. S. 2496
Brasil, E. C. 283, 742
Bratberg, B. 2906-2907
Brauer, D. 4965
Braun, A. L. 3130
Braun, P. W. 3071
Braunbeck, T. 4905
Brauner, A. 201
Bräutigram, H. 2068
Braverman, M. P. 3225, 4927
Bravo, M. V. 3014
Braxton, S. M. 2709
Bray, E. A. 847
Brazee, R. D. 1549
Breach, R. 1469
Breach, R. A. 3591
Brecke, B. J. 132, 1725, 2207, 2209, 2596, 3357
Breckenridge, B. 1899
Breckle, S. W. 1835, 3925
Breeze, V. G. 1183
Brehmer, A. C. 3582
Breiland, K. A. 2343
Breiman, L. 1873
Bremer, K. 2191
Brendler, F. 3323
Brenneman, T. B. 3988
Brenner, D. M. 3247
Brenner, L. 1639
Brennicke, A. 71
Brereton, J. 3725
Breth, D. I. 680
Brettell, R. I. S. 211
Breukelaar, A. 4294
Breukers, C. 4294
Brewer, T. G. 3077
Brewster, B. D. 985
Brewster, J. D. 4023
Briane, J. P. 30
Bridgemohan, P. 945
Bridges, D. C. 705, 712, 4373
Bridgit, T. K. 4631
Briggs, C. L. 1268-1269
Briggs, D. 2112
Brighenti, A. M. 4620, 4754
Bright, S. W. J. 4128
Brinker, T. J. 1574
Brinkman, U. A. T. 3568, 4866, 4868
Briske, D. D. 28
Briskin, D. P. 190
Brisson, C. 4390
Bristow, P. 4223
Britt, A. B. 1430
Britt, C. P. 1238
Brittebo, E. 3156
Britto, S. J. 3487
Brix, H. 4292-4293
Broadhurst, M. D. 4943
Broadley, R. H. 781, 2593
Brodskiĭ, E. S. 3555, 3617
Broer, I. 200
Bromilow, R. H. 2717
Brooke, D. N. 4071
Brose, E. 528
Brothers, B. A. 3306
Brouwer, D. H. 3712
Brouwer, E. J. 3712
Brouwer, W. W. M. 2746
Brouwers, J. 251
Browde, J. A. 1626, 2764, 4950
Browicz, K. 2623
Brown, B. A. 2336
Brown, C. D. 3629, 3890
Brown, C. S. 4823
Brown, D. 2371
Brown, H. M. 4549
Brown, K. 4429
Brown, L. S. 3018
Brown, M. J. 4970
Brown, P. D. 3197
Brown, R. 3265
Brown, R. N. 593
Brown, S. L. 1646, 4383
Brown, S. M. 4393
Brown, V. K. 4402
Brownie, C. F. 3409
Broyles, S. B. 4269
Brozio, B. 1121
Brudenell, A. J. P. 4096
Brüggemann, R. 4095
Brüggemann, W. 2271, 3083
Bruggen, M. W. van 1819
Brugger, J. J. 3344
Brugiapaglia, E. 2679
Bruhn, J. A. 4129
Bruk, M. Kh. 3723
Brûlé-Babel, A. L. 4555, 4955
Brumbaugh, E. H. 1570
Brun, L. A. 1012
Brunninger, B. 165
Brüsch, W. 3582
Brusseau, M. L. 4507
Brust, G. E. 741, 4364
Bryan, F. A. 500
Bryson, C. T. 1913
Brzeg, A. 2629-2630, 2678
Bu, W. L. 1608
Bubb, J. M. 1465
Bubniewicz, P. 724
Bucci, M. 4050
Buchanan, B. B. 3082
Buckingham, G. R. 3879
Buckland, S. T. 344
Buckley, J. A. 2554-2555
Budelman, A. 251
Budimir, M. 3604
Budzyński, W. 5029-5030
Buffler, P. A. 596
Buga, S. F. 253
Bugbee, G. J. 2052, 4481
Bugg, M. W. 1556
Buhl, K. J. 1903
Buhler, D. D. 285, 288, 1079, 1776, 2328, 4381-4382, 4920
Bujakiewicz, A. 2629-2630
Bulcke, R. 232, 1078, 1320, 4084-4085
Bullen, M. R. 315
Bulletin OILB/SROP 1323
Bullock, J. M. 1409
Bunce, R. G. H. 963
Bunkers, G. D. 1009
Buondonno, A. 1490
Burau, K. 596
Burauel, P. 3632, 3637, 3669, 4526
Burbach, M. E. 582
Burch, M. D. 3019
Burdino, E. 1059
Buresh, R. J. 470, 1174
Burgard, D. J. 1089
Burge, M. N. 383
Burger, J. C. 1392
Burgess, D. 4086
Burghardt, M. 3708
Burgmans, J. L. 1584
Burgos, N. R. 2409
Buriol, G. A. 3497
Burke, G. L. 3301
Burkhard, L. 547
Burkitt, M. J. 1063
Burnet, M. W. M. 983, 1130
Burns, R. G. 2758, 4932
Burnside, O. C. 310, 2005
Burow, R. F. 1922
Burrill, L. C. 13, 819, 830-831, 1979
Burrows, D. W. 368, 4258
Burse, V. W. 4590
Burt, R. F. 287
Burt, T. 3630
Burth, U. 3254
Burton, J. D. 2388, 2776, 4584
Burton, L. C. 1584
Burton, P. J. 32
Burýšková, L. 2074
Busby, R. L. 704, 4245
Buscarini, T. 4880
Buse, L. J. 3364
Bush, B. D. 1856
Bush, D. R. 1517
Bush, P. B. 4878
Bushway, R. J. 146, 2726, 2734
Businelli, M. 3652
Bussmann, C. 139
Busto, A. del 2489, 4515
But, P. P. H. 3684
Butler, B. J. 4934
Butler, L. G. 2552, 2995-2996, 3422
Butler, M. D. 14
Butler, R. 3699
Butler, R. C. 2127
Butorina, E. P. 737
Butoroval, A. 181
Butz, S. 2305, 3563
Buxbaum, H. 1660, 2867
Buxton, D. R. 472
Buzo, T. 717
Byers, M. E. 4527
Byl, T. D. 414
Byrd, J. D., Jr. 203, 4686
Byrne, J. 1410
Caballero, R. 4622
Cabrera, J. L. 1668
Cabrera, M. 3049
Cáceres, A. 1742
Cadle, M. M. 443
Caesar, A. J. 566
Cagiotti, M. R. 2614
Cai, T. 2552, 2996
Cai, X. J. 1608
Cai, Z. 2287
Caille, T. 5058
Cain, M. D. 808, 5118
Cain, M. L. 4355
Caixach, J. 3125
Caixinhas, M. L. 5016
Calamai, L. 2722
Calamai, P. 3718
Calamari, D. 629, 3583
Caldas, R. C. 4670
Caldiz, D. O. 2213
Caldwell, B. C. 4971
Caldwell, J. M. 3048
Caldwell, P. M. 1018
Calera, M. R. 4568
Call, C. A. 3900
Callahan, L. M. 1242
Callaway, M. B. 3250
Calleja, M. C. 608
Callens, D. 232, 1078, 1320, 4084-4085
Callewaert, D. 5069
Callihan, R. H. 831, 887, 2244
Calus, A. 5069
Calvert, G. M. 597
Calvet, R. 2323, 3176
Calvet, V. 2218
Calvin, C. L. 2923
Camann, D. E. 590
Camarda, I. 2615, 2904
Camarero, L. 402
Camargo-Ricalde, S. L. 3845
Cambardella, C. A. 3119
Camele, I. 811
Camire, M. E. 2734
Cammann, K. 2727
Campagna, G. 4182
Campbell, C. 3584
Campbell, C. D. 344
Campbell, D. A. 1115
Campbell, M. H. 5151
Campbell, R. A. 219
Campeglia, O. G. 721
Camper, N. D. 142, 626, 2732, 4951
Campillo, R. 2437
Campopiano, O. 4008
Campos, D. 2542
Campos Meléndez, L. F. 91
Can, C. 528
Canada, Environmental Protection Service 3240
Canada, Forest Insect and Disease Survey 5157
Canadro, J. M. 3212
Canaway, P. M. 2236-2237
Cangiano, C. A. 303
Canham, C. D. 4709
Cano Carmona, E. 2233
Cantele, A. 958
Canters, K. J. 4497
Cao, G. R. 2916
Capel, P. D. 1884, 4463
Capell, S. S. 4051, 4901, 4913
Capella, G. L. 4486
Capinera, J. L. 5186
Capitanio, R. 3277
Cappellen, O. 232
Cappelletti, G. 2314
Capri, E. 2326, 3612, 3652, 3655
Capriotti, G. 1628
Caquet, T. 3610, 4495
Caramiello, R. 2688
Carazo, G. 93
Carbiener, R. 1304
Carbonell, E. A. 4515
Cárdenas, M. 491
Cardina, J. 946, 2657, 4388
Cardon, Z. G. 510, 1834
Cardona, L. 67, 3531
Cardoso, A. A. 3331, 4620, 4754
Cardoso, S. S. 4670
Cardwell, K. F. 5161
Carey, V. F., III 40, 2409
Carignan, R. 2141
Carita, T. 2476
Carlin, V. 1031
Carlson, G. A. 4624
Carlson, R. B. 384
Carlsson, U. 542
Carmichael, N. G. 3148
Carmona, R. 4332
Carnat, A. 517
Carnegie, H. M. 967
Carolla, R. 65
Carone, F. 982
Carpenter, S. R. 1306
Carpenter, T. G. 1551
Carpenter, T. L. 4031
Carr, J. D. 111
Carr, M. E. 3703
Carr, P. M. 4598, 5026
Carrai, C. 359
Carranza, P. 2161, 2199
Carrara, A. 1012
Carrara, G. 2731
Carraro, L. 3079
Carrier, B. D. 5130
Carrión, G. 3980
Carrow, R. N. 5124
Carsky, R. J. 1606
Carson, A. G. 1282
Carter, A. D. 3628, 3634
Carter, D. R. 3685
Carter, P. 4180
Carter, R. J. 2966
Carteron, A. 2215
Carvajal, M. C. F. 2101
Carvalho, J. E. B. de 4670
Carvalho Brasil, E. 283
Carzaniga, R. 1844
Casado, M. A. F. 2101
Casajús, R. 4871
Casal, J. J. 3970, 4762
Casal, M. 2162
Casali, V. W. D. 3331
Caseley, J. 1324

Caseley, J. C. 1159, 1729, 3220, 4094
Casey, P. 4485
Cash, A. 3975
Cash, G. G. 588
Casini, P. 1393, 3718
Casquero, P. 2426
Casquero, P. A. 2196
Cass, D. D. 2262
Cassada, D. A. 582, 2287
Cassani, G. 1546
Castejón-Muñoz, M. 1643, 2549, 2972
Castelli, F. 2081
Castresana, C. 3922
Castro, J. 2348
Castro, S. 93
Català Forner, M. del M. 5054
Català Forner, M. M. 2438
Catalan, J. 402
Catanzaro, C. J. 2896
Catargiu, D. 3803
Catizone, P. 3572
Catling, P. M. 2574
Catt, J. A. 3635, 3645
Catteau, R. 2051
Caunter, I. G. 3999
Caussanel, J. P. 52, 2215
Cavazza, L. 4506
Cavero, J. 2492
Cavers, P. B. 208, 1126, 2351, 3466, 3905, 4333
Cayouette, J. 4347
Cazell, B. H. 193
Cazzola, M. 4263-4264
Cechin, I. 840, 2126, 2992, 2998-2999
Cederbaum, A. I. 604
Ceglarek, F. 2071-2072
Ceglarska-Hodi, E. 3736
Celano, G. 2329
Celi, L. 635
Cellini, A. 1475
Cenkowski, S. 683
Center, T. D. 2567, 3880, 4401
Cerana, R. 1001, 1425, 4423
Cervantes, M. 535
Cespón R., C. 4979
Cespón Ríos, C. 4979
Cessna, A. J. 145, 1472, 1887, 2377
Ceustermans, N. 3335-3336
Chaba, B. 5115
Chabanel, Y. 5020
Chacun, H. 4099
Chaiwanakupt, P. 5045
Chakor, I. S. 328, 5094
Chakrabarty, D. N. 3517
Chakraborty, T. 4215
Challis, I. R. 4322
Chaloupková, K. 2133
Chamarro, E. 2749
Chamberlain, D. A. 211
Chamberlain, K. 2717
Chambers, A. J. 868
Chambers, J. E. 4322
Chamblee, D. S. 442
Chamel, A. 1166, 1516, 1924, 2800, 4415
Chamovitz, D. 2792
Champagne, E. T. 4531
Chan, C. H. 578
Chan, C. L. 2063
Chan, T. Y. K. 2736
Chancellor, W. J. 282
Chand, R. 3103
Chandler, K. 1600
Chandler, L. D. 180
Chandra, P. 2553, 4739
Chandrashekar, K. R. 4089
Chandurkar, S. T. 2850, 4206
Chang, C. 1499
Chang, Y. H. 2597
Chang, Y. L. 4344
Chanon, M. 3554
Chanton, J. P. 855
Chanway, C. P. 1251, 5134
Chao, J. F. 1151, 1925, 2770, 4971
Chapman, G. 421
Chapman, K. D. 4832
Chapman, P. F. 3709
Chapman, P. L. 5061
Chapman, R. C. 954
Chapman, T. J. 4978
Chappell, J. 2375
Chapple, A. C. 1153
Charan, C. 3575
Chari, M. S. 5159
Charlot, G. 431
Charudattan, R. 3109, 4287
Chatha, M. Q. 1191
Chatraigner, D. 594
Chatterjee, B. N. 252
Chatterton, N. J. 3092
Chaubet, N. 3199
Chaudhary, A. A. 2874
Chaudhary, A. P. 2874
Chaudhary, R. 1353
Chaudhuri, P. P. 3255
Chaudhuri, S. 4525
Chaudhuri, T. C. 3829
Chauhan, D. V. S. 2043, 3358
Chauhan, G. S. 2524
Chauhan, U. K. 4087
Chauvel, B. 4802
Chavda, J. R. 5083
Chaves, L. 57
Chavez, R. 4180
Chavez-Ramirez, F. 1258
Chawla, G. 1702
Chawla, J. S. 2107
Cheam, A. H. 1591, 3034
Chebanovskaya, A. F. 780
Cheeke, P. R. 3852
Chellamuthu, V. 1661
Chelvan, P. T. K. 3856
Chen, C. J. 2737
Chen, D. 2283
Chen, G. S. 2737
Chen, H. J. 2737
Chen, H. K. 1633
Chen, J. C. 85
Chen, J. J. 1430
Chen, J. N. 1861
Chen, N. 2739
Chen, P. K. 1921
Chen, S. J. 1422
Chen, Y. L. 1514, 2319, 4914
Chen, Y. R. 4827
Chen, Y. Y. 1233
Cheng, C. H. K. 376
Cheng, H. H. 1089, 3565
Chénieux, J. C. 1508, 2268
Cherevatyuk, Yu. N. 3707
Cherněi, L. B. 3816
Chernetsova, N. I. 1803
Cherrill, A. 4391
Chesnavichene, E. A. 3203
Chetti, M. B. 4566, 4572
Chetty, C. S. 1062
Cheung, M. W. 2302
Cheung, W. Y. 663
Chevion, M. 3205
Chèvre, A. M. 210, 459
Chevreuil, M. 1882
Chevrier, N. 668, 2347
Chi, H. 2795, 4008
Chiang, J. K. 797
Chiang, M. Y. 3291
Chiba, H. 4798
Chiba, M. 4111-4112
Chichila, T. M. P. 4464
Child, D. V. 3429
Child, L. E. 3885
Chilton, P. J. 3593, 3662
Chilton, W. S. 3499
China, Tea Research Institute 2511
Chinawong, S. 2027
Chiriţă, D. 4178, 4641, 4644
Chiriţă, N. 4178, 4641, 4644
Chirnside, A. E. M. 2721
Chiron, S. 2285, 4017, 4916
Chitra Patnaik 1360
Chkanikov, D. I. 585
Chmielewski, J. G. 440
Chmielińska, M. 3800
Cho, K. Y. 1537-1538, 2365, 2389, 2604, 2791, 2794, 3114, 3208
Cho, S. W. 598
Chodová, D. 4719
Choi, H. S. 2131
Choi, J. H. 2839
Choi, J. S. 2389
Choi, W. Y. 1521
Choi, Y. J. 2234
Choi, Y. S. 2349
Choice, M. 3019
Chokor, J. U. 1629
Chollet, J. F. 198
Chon, S. U. 1576, 2446, 2449, 2689-2690, 2781-2782, 2833
Choné, T. 136
Choppin de Janvry, E. 791
Chorghade, M. S. 4858
Choroszewski, P. 2221, 2479
Chory, J. 530
Choszcz, D. 3906
Chou, I. T. 538
Choudary, P. V. 1042
Choudhuri, M. A. 2147
Choudhury, A. N. 4184
Choudhury, G. K. 3292
Choung, S. G. 1374
Chow, P. N. P. 1572
Chow, W. S. 3084
Chrispeels, M. J. 3096
Christensen, J. V. 3342
Christensen, P. B. 1704
Christensen, S. 276, 931, 3070, 3494
Christians, N. E. 3021, 4225
Christiansen, S. 708
Christoffoleti, P. J. 3932, 4411
Christofi, S. 3805
Christopher, J. T. 1124, 1130
Chu, C. Y. 3599
Chu, I. 4889
Chueca, M. C. 1593, 2353, 4109
Chumachev, V. Ya. 3697
Chun, J. C. 1342, 1386, 1522, 1880, 1927, 2175, 2389, 2783, 2834, 2897
Chung, B. J. 1562
Chung, I. M. 3058
Chung, K. H. 4516
Chung, M. G. 4779
Churchill, G. C. 2697
Ciancio, A. 4844
Ciarka, D. 3500
Cicerone, R. J. 4025
Ciepielewska, D. 4680
Ciesielski, F. 724
Cilliers, C. J. 1017
Cioni, F. 1658
Cisar, C. R. 2277
Citron, G. 263
Clack, T. 83
Clancy, J. A. 435
Clarisse, R. N. 1791
Clark, J. H. 3078
Clark, L. J. 1689
Clark, R. D. 1859
Clarke, E. D. 4128, 4565, 4943
Clarke, J. 4757
Clarke, J. H. 260
Clarkson, J. 1005
Clason, T. R. 352, 803, 807
Clausen, I. H. S. 3601
Clauss, M. J. 1767, 2251
Clavijo P., J. 479
Clay, D. E. 3621
Clay, D. V. 335
Clay, R. T. 418
Clay, S. A. 1621, 3621
Clayton, G. W. 2454
Cleal, R. 5101
Cleal, R. A. E. 329
Clear-Hill, B. 1409
Clejan, L. A. 604
Clemence, T. G. A. 222
Clement, S. L. 1020
Clements, D. R. 718, 3265, 4343
Clevering, O. A. 4302
Cline, M. N. 1556
Clough, V. 4589
Cloutier, D. C. 5015, 5035
Cluster, P. D. 2638
Cnops, G. 533
Coates, K. D. 805
Coats, J. R. 580, 4935
Cobb, A. H. 3232, 4544
Cobbina, J. 3837
Coble, H. 1570
Coble, H. D. 233, 426, 715, 2776, 4584
Cochet, J. P. 2051
Cock, J. de 4891
Code, G. R. 868, 3034
Codex Committee on Pesticide Residues 4879
Coe, R. 345
Coelho, R. R. 2730
Coffin, D. P. 962
Cofta, H. 799
Cohen, A. 1270
Cohen, B. 3584
Cohen, B. A. 665
Cohen, J. E. 36
Cohen, Y. 2878
Coile, N. C. 4771
Colburn, A. E. 325, 1647
Cole, D. E. 3303, 5148
Cole, D. J. 1926, 1945
Cole, E. C. 1081
Coles, D. J. 2698
Coley, C. R. 3439
Coli, W. M. 2869
Collin, J. 3916
Collinge, S. K. 4322
Collins, M. 1049
Colombini, M. P. 109, 1860
Colombo, R. 1001, 1425, 4423
Colon, C. 751, 1780
Colosio, C. 4036
Colvin, D. L. 132, 1247, 1725, 2502, 3357, 3452, 4103
Comba, P. 156
Comeau, A. 3916
Compernolle, F. 4520
Compost Science & Utilization 316
Condé, A. R. 2863
Condon, J. 1679
Conelly, W. T. 250
Conn, J. S. 5177
Conner, A. J. 4107
Consalter, A. 629
Conte, E. 3133, 3652
Cook, S. K. 260
Cooke, D. A. 2966
Cooke, L. 3408
Cooley, D. R. 2869
Coombs, E. 831
Coombs, P. 3662
Cooper, A. 970
Cooper, B. 492
Cooper, F. B. 1404
Cooper, J. A. 2150
Cooper, J. F. 1858, 3169
Cooper, S. 4865
Cooper, S. P. 596
Coops, H. 3868, 4294
Copping, L. G. 1324
Coq, C. le 3528
Coquart, V. 571, 1032
Coquery, M. 2563
Coquille, J. C. 4988
Corbett, J. M. 3431
Corbin, B. R., Jr. 1080
Corbin, F. T. 4550, 4583
Corbineau, F. 3086
Corcia, A. di 4013
Cordier, S. 155
Cordo, H. A. 2528
Cordray, S. M. 1178, 3742
Coret, J. 1166, 1516, 2800
Corn, M. 884
Cornejo, J. 3625
Cornell, J. 1328
Cornes, D. W. 315
Cornide, T. 2162
Cornillon-Bertrand, C. 4559
Corrao, G. 156
Costa, C. 760
Costa, E. R. 3413
Costa, J. 2406
Costa, J. N. 3413
Costa, S. L. 389
Costa Neto, A. O. 4670

Costall, B. 376
Costall, D. A. 4266
Costello, T. A. 754
Coster, D. 1057
Côté, J. C. 663
Cothren, J. T. 1144
Cotrim, A. 3705
Cotterill, J. V. 3705
Cotterman, J. C. 3965
Cottignies, A. 3086
Cotty, P. J. 565
Couchman, J. N. 4196
Couderchet, M. 1121, 4118
Coulson, J. R. 420, 4847
Coupland, G. 533-534
Cournac, L. 4828
Court, A. C. 3586, 3591
Courtney, A. D. 266, 275, 1182, 4313
Cousens, R. 944
Couto, L. 340
Covarelli, G. 1607, 3771
Coverdale, O. R. 3019
Cowan, A. K. 2367
Cowell, J. E. 1081
Cowland, J. P. 4981
Cox, C. 1855, 1904, 1973, 2311
Cox, C. S. 1266, 2534
Cox, K. C. 2602
Cox, L. 3625
Cox, T. I. 1411
Coy, G. R. 269, 2821
Cozza, R. 4300
Crabtree, G. D. 1569, 2644
Craig, A. M. 378
Crain, R. C. 61
Crane, R. A. 1257
Cranmer, B. K. 170
Cravedi, J. P. 4058
Craven, M. L. 2383
Crawford, D. J. 2691
Crawford, D. L. 634
Crawford, S. H. 3784
Crawley, M. 4799
Crawley, M. J. 4383
Crecchio, C. 3163
Cregan, P. D. 304
Creighton, J. F. 3451
Crescenzi, C. 4013
Crisanto, T. 3620
Critchley, C. 3084
Critchley, J. A. J. H. 2736
Croes, A. F. 2948
Croitoru, N. 3107
Croll, B. T. 1493
Cromack, H. T. H. 295
Crompton, C. W. 4343
Crone, W. 11
Cronk, J. K. 3870
Cronk, Q. C. B. 3893
Crosa, D. 411
Crosbie, S. H. 4625
Crosby, D. G. 4872
Cross, J. V. 5088
Crossley, S. J. 2273
Crouch, J. H. 3041
Crow, G. E. 5163
Croy, R. R. D. 1844
Crumby, T. I. 5105
Crute, I. R. 528, 541, 4428
Cruxton, V. L. 3630
Cruz, D. de la 1604
Cruz, R. de la 286, 2168, 2254
Cruz-Alvarez, M. 2605
Cseke, C. 4858
Cserháti, T. 4855
Cuadra, C. de la 891, 1345
Cuadra, J. G. de la 2307, 4515
Cuadra, R. 3360
Cubero, J. I. 2959
Cudney, D. W. 3381
Cuesta, C. 4940
Cui, B. 362
Cui, L. 1065
Cui, M. 993
Cui, W. S. 1821
Culbreath, A. K. 1646
Cullen, A. W. J. 347
Cullen, J. M. 4767
Cultivar 313, 769, 3790, 5070, 5077
Cummins, D. B. 4337
Cunha, L. H. S. 3011
Curbelo T., I. 4979
Curbelo Tribicio, I. 4979
Curran, W. S. 290, 2430, 3268, 5063
Curry, P. S. 4567
Curtis, J. D. 3080
Curtis, P. S. 53
Cusick, A. W. 501
Cussans, G. W. 1404, 4155, 4313
Cutler, H. G. 4800
Cuvillier, C. 529
Cvikrová, M. 1148
Czajka, M. 4216
Czaplicki, E. 698, 2399, 2401, 2802, 3727, 3733
Czygan, F. C. 62-63, 1695-1697, 2702, 4829
Da Nóbrega, L. B. 3834
Da Silva, C. B. 4411
Da Silva, F. T. 3705
Da Silva, J. F. 3331, 4620, 4754
Daar, S. 1970
Daayf, F. 4600
Dacasto, M. 1059
Dadari, S. A. 2083
Daehler, C. C. 853
Daelemans, A. 1212
Dagar, H. S. 3475
Dagar, J. C. 3475
D'Agliano, G. 359
Dahama, A. K. 2837
Dahlbeck, D. 4429
Dahlgren, G. 407, 1712
Dahlin, C. 669
Dahse, I. 2146
Dai, L. C. 155
Daigle, D. J. 565
Dailey, O. D., Jr. 4016
Dakshini, K. M. M. 1399, 3501
Dale, M. L. 4142
Daljit Singh 3316
Dalmau, L. 2583
Dalpé, Y. 4088
Daly, E. J. 4535, 4537
Daly, M. J. 4613
Dam, H. van 4741
Dam, N. M. van 1670, 2110
D'Amato, G. 4263-4264
Damme, P. van 1273-1274
Damor, U. M. 2518
Dancza, I. 2178, 2241
Dangl, J. 4430
Danieewicz, W. 4376
Daniel, T. C. 3140
Daniels, L. 257
Daniels, M. J. 3096
Danilets, Yu. I. 3789
Danin, A. 4345
Dankwardt, A. 2294-2295
Darbyshire, S. J. 4347
Daris, B. 1466
Darkó, É. 3081, 3209
Darmency, H. 917, 4816
Darwent, A. L. 1472, 1595, 2413, 2454, 3303
Darwish, D. S. 2957
Dary, C. C. 576
Das, A. 1667
Das, A. K. 2281
Das, B. 4724
Das, B. L. 929
Das, K. 2088
Das, P. 1360
Das, P. K. 323
Das, R. 4724
Das Neves, B. P. 305
Dass, R. P. 1800
Dastgheib, F. 734, 3896, 4107, 4255
Dathe, W. 1111
Datta, R. 670
Datta, S. K. de 2223, 3179-3180
Datta, T. 4215
Daubert, J. P. 2302
Daulta, B. S. 3346, 3351
Daun, J. K. 942
Daunderer, M. 2595
Davarci, T. 104
Dave, B. 4227
Dave, G. S. 3989
Davey, M. R. 4942
Davidson, R. 2166
Davidson, T. 596
Davies, A. B. 3585
Davies, D. H. K. 264, 275, 967, 1159, 1404, 3060, 4312
Davies, J. 4133
Davies, J. S. 4219
Davies, P. E. 3581
Davies, R. W. 4056
Davies, W. J. 1109, 4826
Davis, B. N. K. 4970
Davis, C. B. 403
Davis, D. G. 2343
Davis, E. S. 3472
Davis, J. G. 180
Davis, J. M. 813
Davis, K. R. 1326
Davis, M. 4883
Davis, M. A. 3780
Davis, R. W. 3101
Davis, S. M. 1301
Davis, T. D. 3685
Davison, A. W. 2695, 3527, 3969
Davison, K. L. 600
Dawair, Z. 3490
Dawoud, D. A. 1693, 4277
Dawson, B. A. 1033
Dawson, J. H. 843
Dawson, T. E. 5158
Day, M. D. 105
Day, T. A. 1840
Dayal, N. 3846
Dayawon, M. M. 1573-1574
Dcol, H. S. 835
De, G. C. 4339
De Alencastro, L. F. 3558
De Almeida Lima, A. 4692
De Almeider Engler, J. 90
De Azevêdo, D. M. P. 3834
De Baerdemaeker, J. 691
De Barreda, D. G. 4515
De Blas, C. 93
De Block, M. 527
De Carvalho, J. E. B. 4670
De Cock, J. 4891
De Datta, S. K. 2223, 3179-3180
De Felipe, M. R. 1138
De Giorgio, D. 982
De Graaf, H. J. 1312
De Graaf, W. F. 112
De Groot, A. C. 3666
De Heer, H. 243, 5003
De Hertogh, A. A. 2896
De Jong, F. M. W. 4497
De Jong, T. J. 1802, 2160, 2540, 4352
De Kroon, H. 1769
De la Cruz, D. 1604
De la Cruz, R. 286, 2168, 2254
De la Cuadra, C. 891, 1345
De la Cuadra, J. G. 2307, 4515
De la Taille, G. 2875
De Leo, P. 70
De León, R. P. 3410
De Leondaris, A. 767
De Lorenzo, C. 1138
De Lucas Bueno, C. 2200, 4794
De Lugo, M. L. 943
De Macêdo Beltrão, N. E. 2201, 3834
De Mot, R. 4520
De Napoli, L. 65
De Natale, A. 2613
De Nooij, M. P. 2703
De Oliveira, D. 3922
De Oliveira, I. P. 305
De Paiva, G. 885
De Paoli, M. 3567
De Paula, T. J., Jr. 640-641
De Poorter, M. P. 2331
De Prado, R. 1123, 1671, 1937, 1940, 2252-2253, 2357, 2361, 4548
De Robertis, A. 3122
De Ron, A. M. 2196, 2426
De Ruiter, H. 1167
De Snoo, G. R. 1177
De Veylder, L. 82, 90
De Villiers, A. J. 3895
De Villiers, B. L. 1558, 1560, 4311
De Virville, J. D. 1002
De Visser, W. 1379
De Vos, H. 2114
De Vos, P. 2331
De Vries, H. S. M. 2997
De Waal, L. C. 3885
Deakin, C. 3844
Dean, C. 533, 1133
Dean, J. R. 4459
Dean, W. R. J. 5155
Dear, B. S. 304
Debaeke, P. 5028
Deban, L. 1456
Debel, K. 75
Deberdeev, K. Sh. 3740
Debrah, S. K. 1688
Debussche, M. 948
Decendit, A. 1508
Deck, R. E. 5177
Decker-Walters, D. S. 3042
DeClercq, D. R. 942
Decoin, M. 311
Defelice, M. S. 3270
DeFrank, J. 1116, 2339
Deguchi, S. 122
Deichner, K. 4451
Deil, U. 499
Dejene, D. 3760
DeJonge, J. O. 693
Deka, J. 2816
Dekker, J. 3962
Dekker, J. H. 2639
Del Busto, A. 2489, 4515
Del Gatto, A. 1628
Del Monte, J. P. 2224
Del Re, A. A. M. 3579
Del Rosario, A. 581
Del Valle, P. L. 1865
Delahousse, B. 291
Delaney, K. R. 1790
DeLaune, R. D. 2131
Delavault, P. 1683, 2939
Delclos, G. 596
Delelis-Dusollier, A. 3069
Delesalle, V. 852
Delesalle, V. A. 895
Deleu, R. 167
Delfosse, E. S. 4718
Delfourne, E. 676
Delgado, O. 402
Delgado, P. E. 385
Delhaize, E. 1836
Delmer, D. P. 2263
DeLoach, C. J. 366, 2528
Delph, L. F. 4340
Delprete, P. G. 2642
Demarcq, P. 4247
Dembélé, B. 1281, 1284, 3430, 3892
Dembele, V. Z. 1194
Dembitsky, N. M. 4743
Dembitsky, V. M. 1309
Demirkan, H. 2866, 4702
Demon, M. 620
Den Engelsman, G. 3666
Den Hartog, R. S. 3666
Den Hertog, J. 4786
Dendène, M. A. 1304
Deneault, F. 1888
Dengler, N. G. 1753
Dennis, E. S. 211, 523
Denno, R. F. 553-554
Denny, R. P. 4711
Dent, D. 5190
Deo, B. 4613
Deo Narayan 3503
Deppert, W. R. 2692
Deragon, J. M. 529
Derancourt, F. 4336
Derksen, D. A. 47
Derksen, J. 2258
Derksen, R. C. 680
Derkx, M. P. M. 1333, 1741, 2157
Dernej, V. 2466

Dernoeden, P. H. 1244, 4248, 4700
Derr, J. F. 1220, 1248, 2098, 2379, 3374
Deryavko, V. I. 3802
Desai, S. R. 3717
Desbiez, M. O. 1832, 1838, 2267, 3978
Desgranges, J. L. 966
Deshmukh, P. S. 3090
Dési, I. 4037
Despax, V. 4828
Desroches, B. 4701
Dessaint, F. 52, 2167
Detroja, K. S. 2518
Dettori, M. 2904
Deunff, Y. le 434
Deuse, J. 5014
Deuter, P. 877
Devantier, B. P. 4266
Devendra, R. 3799
Devi, L. G. 4389
Devi, M. T. 3088
Devi, S. 3447
Devine, M. D. 196, 1806, 4114
DeVito, S. C. 599
Devlin, R. M. 3193
Dewey, S. A. 1979
Dexter, A. G. 331
Dextraze, L. 1007
Deynze, T. D. van 578
Dhaliwal, G. S. 870
Dhaliwal, H. S. 3984
Dhaliwal, J. 581
Dhaliwal, J. S. 3106
Dhar, M. K. 1849
Dhilion, P. S. 1641
Dhillion, S. S. 1770
Dhillon, A. S. 2787
Dhillon, N. P. S. 3316
Dhoot, J. 581
Di Corcia, A. 4013
Di Guardo, A. 629, 3583
Di Marco, S. 2773
Di Orio, F. 156
Di Paola, M. L. 4418
Di Tomaso, J. M. 194, 197
Diallo, S. 1204, 3430
Diana, G. 2081
Diarra, A. 981, 1203
Dias Casali, V. W. 3331
Dias-Filho, M. B. 2902
Díaz, B. 4110
Díaz, S. 930
Diaz, T. E. 2101, 3396
Diaz, Y. J. 1780
Díaz Díaz, R. 4505
Diaz Vizcaino, E. 2162
Dibo, A. A. 1387
Dick, R. E. 4930
Dick, R. P. 1178
Dick, W. A. 618, 1091, 3173, 4929
Dickens, R. 358
Dickinson, G. R. 4361
Dickinson, J. A. 3768
Dickinson, T. A. 1753
Dicks, H. M. 4657
Dickson, B. B. 3267
Diehl, K. E. 1578, 3234, 4097, 4585
Dierauer, H. U. 3722
Diesburg, K. L. 4707
Dietrich, A. 3978
Dietrich, R. A. 4430
Dietrich, R. F. 2740, 4549
Dijk, M. J. van 2540
Dijk, P. van 921
Dillard, H. R. 1728
Dillenburg, L. R. 5131
Dimon, B. 4828
Dinelli, G. 2723, 3572
Ding, X. 406
Ding, Y. 69
Dini, A. 3534
Dinsmore, A. 4128
Dinu, C. 4644
Dinu, I. 1898
Diomede, L. 158
Dionigi, C. P. 4531
Diosdado, J. C. 2570
Dirilgen, N. 3012
Diwakar, P. G. 3858
Dixon, D. G. 1295
Dixon, P. M. 1389
Dixon, R. K. 3048
Djaković, T. 1034
Djilianov, D. L. 3689
Doane, R. 1038
Doane, W. M. 3703
Dobkowski, A. 5130
Dobrovodský, J. 5022
Dobrzański, A. 720, 1635-1636, 1663, 2485, 3801, 3924, 4149-4150, 4221, 4654, 4704
Dobrzyńska, K. 1134
Dobson, H. E. M. 4426
D'Occhio, M. J. 3414
Dodd, M. 4799
Doddamani, M. B. 4566, 4572
Doef, R. 4294
Doering, O. 2395
Döhler, G. 2569
Dolci, M. 1031, 1488
Doležel, J. 3
Dolferus, R. 211
Doll, H. 3765
Doll, J. D. 3776
Dolling, A. 2539
Dollinger, M. 726
Dolzhenko, W. I. 2461
Domange, A. L. 5086
Domaradzki, K. 725, 2423
Dominguez, C. 1671, 1937, 1940, 2253
Dominguez, J. 2961
Donaghy, S. J. 968
Donahue, R. A. 3685
Donald, D. B. 3135
Donald, D. G. M. 348, 5116
Donald, W. W. 427, 455, 901, 1866, 2240
Donaldson, D. R. 1224
Dong, B. 4948
Dong, H. 361
Dong, H. Y. 361
Dongen, G. J. M. van 4601
Dongen, W. D. van 4866
Dongowski, G. 988
Donn, G. 3201
Donnarumma, L. 3652
Donnelly, P. K. 634
Donnini, M. 158
Donovan, L. A. 5136
Dons, J. J. M. 664
Dooh, A. M. A. 2506
Doohan, D. J. 4343, 4399
Dopierala, U. 4090
D'Orazio, V. 3165
Dorcus, D. 218
Döring, U. 3632
Dorling, P. R. 835
Dormanns-Simon, E. 3736
Dorn, E. 4012
Doroshenko, V. A. 1653, 2076
Dorozhkin, S. A. 4120
Dörr, I. 843, 2954, 2984
Dorworth, C. E. 2898, 5111
Dou, Z. 3047
Douce, R. 4559
Dougall, D. K. 1503
Douglas, D. W. 955
Douglas, M. H. 1584
Dousset, S. 621
Doust, J. L. 2564, 2574, 4303
Doust, L. L. 2564, 4303
Douville, Y. 5021
Douzals, J. P. 4988
Dovgilevich, A. V. 3555, 3617
Dowdy, R. H. 1089
Dowler, C. C. 180, 5178
Down, V. 1729
Downard, R. W. 3910, 5098
Downer, J. A. 3381
Downer, R. A. 1153, 3226
Downey, R. K. 1132
Downs, T. 596
Doxtader, K. G. 4949
D'Oyly Hughes, G. 3038
Dozier, W. A., Jr. 1222
Draber, W. 3211, 3695
Draghetti, L. 2773
Drăgotoiu, D. 1898
Drake, B. G. 1288, 1437
Draper, J. 4942
Draper, W. M. 3161
Dray, F. A., Jr. 4401
Drea, J. J. 420
Drei, F. 2716
Dreistadt, S. H. 3026
Drennan, D. S. H. 2851
Dreon, A. L. 5009
Drewes, F. E. 1276
Drewes, S. E. 1276
Drinkall, M. J. 318
Driss-Ecole, D. 3086
Driver, E. A. 1206
Dröge-Laser, W. 200
Drogoszewski, B. 4376, 4698
Drozd, V. N. 3556
Drummond, C. J. 151, 3590
Drury, C. F. 4499
Du, G. 1821
Du Toit, D. 1558
Duarte, L. M. L. 548
Dubey, O. P. 3266
Dubinin, N. P. 539
Dubinina, L. G. 539
Duccini, M. 4050
Duchêne, F. 3772
Duckett, C. M. 2694
Dufaud, A. 198
Duff, E. I. 344
Duffill, M. B. 1896
Duffus, C. M. 3060
Dufour, M. E. 78
Duh, J. R. 4914
Duhan, S. P. S. 518
Duhr, A. 115
Duine, J. A. 1822
Duke, S. O. 1939, 3016, 3221, 3545, 4557, 4962
Dumas, R. 4559
Dunan, C. M. 1188
Duncan, D. 111
Duncan, E. J. 2156
Duncan, R. A. 4663
Duncan, R. P. 4792
Duncan, S. 4142
Dunkelberg, H. 1892
Dunkley, F. A. 959
Dunn, M. J. 3431
Dunst, R. M. 3345
Dupas, S. 4033
Dupéron, P. 2268
Dupont, F. 3069
Durán-Altisent, J. M. 4953
Durand, G. 4468
Durand, N. 2861
Durigan, J. C. 3797-3798
Durigan, J. F. 3798
During, H. J. 1769
Düring, S. 89
Đurkić, M. 1797, 2006, 2238
Dušek, J. 1117
Dušinská, M. 153
Dušková, J. 1117
Dusky, J. A. 1787, 2207, 2209
Dussourd, D. E. 554
Dust, M. 3637, 3644
Duthie, H. C. 1291
Dutka, F. 4579
Dutta, P. 1918
Dutta, R. 4186
Dvořák, F. 4777
Dvořák, J. 2811
Dwarakan, P. 3858
Dwarakanath, N. 3799
Dwivedi, D. K. 2440
Dyck, E. 1586-1587, 2829
Dyer, W. E. 435, 445, 1935, 2171
Dyk, L. P. van 1052
Dykes, J. 446
Dyson, J. S. 3607
Dzantor, E. K. 2760
Eadsforth, C. V. 116
Eakes, D. J. 1129
Eapen, S. 647
Earl, J. A. 5117
Easson, D. L. 4160
East, N. 387
Easter, E. 693
Eastin, E. F. 2503
Eber, F. 210, 459
Eberbach, P. L. 3440
Eberle, J. 4769
Eberlein, C. V. 1630, 3929, 4554, 4580
Ebermann, R. 4427
Eberwine, J. W., Jr. 3273
Ebrahim, R. E. 2965
Eccles, N. 4694
Echavarri, F. 2230
Ecker, J. R. 1110
Eckert-Ossenkopp, U. 71
Ecobichon, D. J. 4760
Edelbroek, P. 1270
Edelman, M. 1539
Eder, J. 1148
Edreva, A. 2944
Edrington, T. S. 2542
Edwards, A. L. 904
Edwards, E. 1748
Edwards, E. D. 368, 824
Edwards, G. R. 4
Edwards, J. H. 3831
Edwards, M. B. 3371
Edwards, R. 2698
Edwards, W. M. 1091
Eesvelde, S. van 1273-1274
Efthymiou, M. L. 594, 3152
Egaas, E. 1071
Egbers, W. S. 2831, 3002
Egley, G. H. 4440
Egmont-Florian, D. van 5084
Egorov, A. B. 4947
Egorov, A. M. 1867, 1878
Eguchi, Y. 1481
Egunjobi, J. K. 447-448
Egunjobi, O. A. 849
Egwuatu, R. I. 95
Ehleringer, J. R. 5136, 5158
Ehrendorfer, F. 27
Ehwald, R. 988-989, 1826, 4420
Eichenberg, D. C. 609
Eichhorn, K. W. 3172, 3616
Eichhorn, M. 2569
Eikenberry, E. 4954
Einhorn, J. 2725
Eisenreich, S. J. 1884, 4478
Eisert, R. 3564
Eisler, D. 2090
Ejeta, G. 2552, 2995-2996
Eklo, O. M. 622, 1094-1097, 2306
Ekström, G. 883
El-Badwi, S. M. A. 2913
El-Brahli, A. 41
El-Deen, M. A. S. 1483
El-Dib, M. A. 4534
El-Ghar, A. 1234
El-Ghazaly, G. 1353
El-Gholl, N. E. 3988
El-Hady, M. M. 2856, 2958
El-Halawany, E. F. 2239
El-Itriby, H. A. 1474
El-Kassas, S. E. 3347-3350
El-Khayaat, S. A. 4276
El-Khyari, D. 3957
El-Mana, M. E. 2979, 2996
El-Masry, R. R. 2857, 2965
El-Naby, A. M. H. 4050
El-Ouesni, F. E. M. 3820
El-Rassi, Z. 4576
El-Refai, I. M. 2892
El-Saht, H. M. 206, 1139
El-Sheekh, M. M. 1531
El-Sherbeeny, M. H. 2856, 2958
El-Sonbaty, M. R. 3347-3350
El-Wekil, H. R. 2084-2085, 2649
El-Yamani, M. 3986
Elango, D. E. 2713
Elanskaya, I. V. 3203
Elazegui, F. A. 748
Elbein, A. D. 2272
Elbrahli, A. 3160
Elder, R. H. 2266
Elderkin, S. 3584
Eldridge, J. C. 1899
Eleftherohorinos, I. G. 4181, 4236
Elemo, K. 4384, 4731

Elezović, I. 3604
Ellery, K. 3437
Ellery, W. N. 3437
Elling, W. 2295
Elliot, P. C. 1791
Elliott, N. C. 5190
Ellis, B. E. 1267
Ellis, J. P. 4951
Ellis, J. R. 1528
Ellis, R. G. 2670, 3024
Ellison, A. M. 1389
Ellison, C. A. 4714
Ellssel, H. 3172
Ellstrand, N. C. 4404
Elmegaard, N. 3605
Elmore, C. 1224
Elmore, C. D. 475
Elmore, C. L. 3381
Elmore, W. 401
Elmqvist, T. 542
Elsen, T. van 497
Elwakil, M. A. 4287
Ely, C. B. 1050
Emanuel, A. A. 2394
Emanuele, S. M. 2172
Emechebe, A. M. 2987
Emmons, R. D. 3891
Emons, A. M. C. 1419
Emtsev, V. T. 3723
Encheva, V. 2971
Endo, O. 2424
Endoh, Y. 4887
Engel, L. 4021
Engel, R. E. 923
Engelaar, W. M. H. G. 1380, 1708, 1819, 3491
Engelmann, W. 1429
Engelsman, G. den 3666
Englande, A. J. 2404
Engle, C. A. 5085
Engle, D. M. 4060
Engler, G. 77, 82, 90
Engler, J. 82
Entry, J. A. 634
Entz, T. 5078
Ephrath, J. E. 475
Eplee, R. E. 1280, 2930, 2969
Epplin, F. M. 278, 730
Epstein, E. 4538
Eradat-Oskoui, K. 903
Erasmus, D. 3076
Erasmus, G. L. 3415
Erber, R. D. 2728
Erbes, D. L. 1133
Erciş, A. 104, 3842
Erden, S. 3134
Eremin, S. A. 1878
Ericson, L. 1378
Eriksson, C. 3156
Eriksson, O. 3939
Ermakov, E. S. 3761
Ernst, W. H. O. 1829
Ershad, D. 546
Ershova, N. I. 3022
Erviö, L. R. 1486, 3951
Erviö, R. 3951
Esashi, Y. 642, 3093, 3901, 4417
Escarré, J. 504, 3963
Eschrich, W. 2556, 3864
Escorial, C. 2353, 4109
Esin, E. A. 1654
Eskelsen, S. R. 2644
Espadaler, I. 3125
Espagnol, M. C. 529
Espaillat, J. R. 1247
Espiau, C. 4336
Espinoza, A. B. 4211
Espírito Santo, M. D. 2229
Esplugas, S. 2749
Esposito, D. 3133
Essington, M. E. 4461
Estefanel, V. 3497
Esuoso, K. O. 4824
Etcheber, H. 4033
Etheridge, R. E. 5066
Etienne, A. L. 1544
Ettinger, W. F. 538
Europe, European Association for Potato Research 873
European and Mediterranean Plant Protection Organization 185, 4603
Evans, A. A. 2707, 2717
Evans, H. C. 369, 2712, 3979-3980, 4714
Evans, J. P. 4355
Evans, K. A. 3060
Evans, M. C. W. 4734
Evans, S. G. 815
Evbuomwan, F. O. 3186
Evenson, K. J. 1143
Everett, J. 2192
Ewan, B. 1501
Ewin, C. 971
Eyini, M. 4286
Eyles, D. W. 1043
Ezell, A. W. 343, 5128
Ezulike, T. O. 95
Ezumah, H. C. 2425
Ezzahiri, B. 3511
Faccini, D. 3462
Faccini, D. E. 2037-2038
Fachard, O. 1969
Facui, Z. 2130
Fadela Khalil 2956
Fagerstedt, K. V. 1286
Fagerström, T. 3050
Fago, G. 2724
Fahey, L. L. 5163
Fahl, G. M. 4945
Fahlbusch, B. 827, 5145
Fahrig, L. 962
Faiman, M. D. 1480
Fairchild, J. F. 3158
Fairhead, A. P. 4928
Faivre, M. 1718
Falconer, I. R. 3019
Fales, S. L. 472
Faliński, J. B. 2624, 3025
Falisse, A. 5017
Falk, R. H. 1575
Famini, G. R. 599
Fan, A. M. 584
Fan, T. S. 2726
Fanelli, G. 2610
Fanelli, R. 3557, 3562
Fang, W. 3994
Fantuzzi, G. 1476
FAO Plant Production and Protection Paper 1726
Farag, I. A. 1773
Farago, M. E. 1296
Fardales P., E. 4979
Fardales Pérez, E. 4979
Fargašová, A. 1510
Fargione, M. 5085
Fári, M. 5162
Farías-Larios, J. 3541
Farineau, J. 3210
Farm Chemicals 1975
Farmer, W. J. 3162
Faroda, A. S. 2815
Farooqui, A. 372
Farquhar, G. D. 508, 3535
Farran, A. 3571
Farregues, C. 2439
Farrell, G. 3998
Farrell, J. A. 97, 5190
Farrow, B. 792
Farrukh Hussain 2665
Fatemi, Z. 4208
Fat'yanov, V. A. 2010
Faust, H. 4592
Faust, M. 4945
Fauville, J. P. 2312
Fawai, F. 1111
Fawcett, R. S. 141
Fay, C. L. 2969
Fay, P. K. 2171
Fazali Subhan-I 281
Feakin, S. J. 2758, 4932
Fedorishchev, V. N. 3761
Felding, G. 3626, 3660, 4074
Feldman, S. R. 486
Feldmann, K. A. 537
Felice, L. J. 2915
Felipe, M. R. de 1138
Felippe, G. M. 1350
Felsot, A. S. 2760, 4664
Felton, W. L. 1795
Fendinger, A. G. 3345
Feng, P. C. C. 4041, 4888
Fenni, M. 974
Fer, A. 1682, 2121, 2125, 4279
Fergedal, S. 3721
Ferguson, C. M. 2707
Ferguson, D. E. 4699
Ferguson, J. A. 754
Ferguson, W. 1235
Fermanian, T. W. 2096-2097
Fernandez, C. J. 1144
Fernandez, I. 1420
Fernandez, S. R. 1371
Fernandez Alba, A. 2285
Fernández-Anero, F. J. 2406
Fernandez-Carvajal, M. C. 3396
Fernandez Casado, M. A. 3396
Fernandez-Cornejo, J. 259
Fernández-Martínez, J. M. 2961-2962, 2989
Fernández-Pascual, M. 1138
Fernandez Prieto, J. A. 3396
Fernández-Quintanilla, C. 2580, 2808, 4164
Fernando, C. H. 421
Fernando, D. D. 2262
Fernando, W. G. D. 1023
Ferracini, V. L. 1843
Ferrandino, F. J. 1083
Ferrari, J. T. 548
Ferraz, A. 3705
Ferraz, J. L. 4061
Ferreira, K. L. 233, 4584
Ferreira, L. R. 2863, 4620, 4754
Ferreira, P. 82, 90
Ferrer, M. 4916
Ferris, H. 258, 2411
Fet, G. N. 3480
Feuillette, B. 2153
Feyen, J. 3632
Feyerabend, G. 1180, 2100
Fidanza, M. A. 4248
Field, C. B. 4419
Field, R. J. 734, 3896, 4107, 4255
Figueroa, P. F. 810
Filer, C. 1025
Filho, R. V. 4411
Filiche, E. 1051
Filip, S. 1051
Filipowska, T. 2888
Filippich, L. J. 2916
Filippov, G. A. 3333
Fillion, J. 1888
Fina, L. 4828
Findlay, W. I. 3166
Finger, S. E. 3158
Fingerhut, M. A. 597
Fini, G. 4968
Fink, A. 3094
Finkelshtein, Z. I. 2759
Finney, J. R. 1446
Fischbeck, G. 1044, 4922
Fischer, A. 935, 1199, 1983
Fischer, G. W. 4037
Fischer, J. 18
Fischer, N. H. 1784
Fischer, R. 4908
Fischle, A. 3768
Fišer, F. 2510
Fisher, D. B. 2694
Fisher, J. C. 4706
Fisher, N. M. 264, 4312
Fisher, S. W. 4909
Fitchett, G. V. 1856
Fitter, A. H. 4782
Fittler, J. 2547
Fitzgerald, S. P. 1874-1875
Fitzpatrick, D. A. 3575
Fiume, F. 771
Flåøyen, A. 2906-2907
Flaskos, J. 4262
Fleck, N. G. 2499, 3678, 4645, 4675-4678
Fleeker, J. R. 1877, 2728
Flegar, Z. 2686
Fleischer, A. 4420
Fleischmann, T. J. 4550
Fletcher, C. A. 1465
Fletcher, J. S. 4098
Fletcher, R. A. 675, 4115
Fliert, E. van de 1181
Flint, S. A. 3566
Flores, M. 4532
Flori, P. 611
Flühler, H. 3168
Flury, M. 3168
Flynn, K. M. 5167
Flynn, T. W. 3040
Fogarty, A. M. 4524
Fogelberg, F. 3807
Fogelfors, H. 1982
Fogg, P. 3628, 3634
Fogu, M. C. 2679
Foley, M. E. 2, 1336, 1747, 4764
Fomin, A. V. 1548, 1664
Fomina, I. R. 2360
Fomsgaard, I. 3606, 3615
Fonné-Pfister, R. 2796
Fontana, G. 2731
Fontanel, P. 3169
Fontenot, J. P. 257, 302
Food and Agriculture Organization 5180
Forbes, A. M. 683
Forcella, F. 454, 903, 1776, 2005
Forde, B. G. 662
Fordham-Skelton, A. P. 1844
Foreback, C. G. 700-701
Forgács, E. 4855
Forlani, G. 4106, 4116
Fornasari, L. 377, 3996
Forney, L. J. 4521, 4931
Forno, W. 105
Fornstrom, K. J. 2203, 3054
Foroud, N. 3137
Forrer, H. R. 547
Forseth, I. N. 5131
Forster, P. I. 4843
Forster, W. A. 228, 4127
Förther, H. 3857
Fortin, A. 1931
Forwood, J. R. 1173
Föry, W. 1462
Foshee, W. G. 4793
Fossa, V. 2688
Foster, D. K. 280
Foster, G. N. 3060
Foster, J. R. 1061
Foster, M. A. 4238
Fothergill, J. 1468
Fournier, J. 4865
Fowlis, I. A. 4459
Fox, A. M. 423
Fox, R. D. 1549
Fox, R. H. 3047
Foy, C. L. 1564, 2495
Fracchiolla, F. 4892
Frachisse-Stoiljkovic, J. M. 1827
Fraga, I. 2228
Fraga, M. I. 2225, 2247
Francaviglia, R. 3655
France, Union Nationale Interprofessionnelle des Légumes Transformés 2860, 3318
Franchi, A. 4072
Francioso, O. 4968
Francis, C. M. 3950
Fránek, M. 128
Franek, M. 1878, 2872
Franetovich, L. M. 3758
Franjić, J. 3512
Frank, J. H. 4401
Frank, J. R. 1416
Frank, T. 183-184
Franklin, L. A. 3084
Frans, R. 4180
Frans, R. E. 1050, 1080, 2206, 5106, 5109
Frantzen, J. 1443
Franz, E. 2530
Fraser, L. 1251
Fraser, L. H. 5134
Fraser, T. W. 1543
Frattini, S. 2612
Frazier, B. E. 416
Frear, D. S. 1125, 2343
Fredeen, A. L. 4419
Freeburn, J. W. 2033

Freed, H. D. 700-701
Freedman, B. 1906
Freeman, J. D. 3371
Freemark, K. 3145
Freemark, K. E. 3436, 4996
Freese, G. 4435
Frehner, M. 1847
Frei, P. 547
Freitag, D. 2414
Freitas, S. P. 2863
French, E. C. 1247
French, R. C. 1444, 3097-3098
French, R. H. 4748
Freney, J. R. 5045
Freshwater, L. L. 4264
Freund, M. 1375-1376, 1497
Freund, W. 4455
Frey, K. J. 506
Frick, H. 2134
Friday, L. 2137
Fridovich, I. 4494, 4958
Friebe, A. 4378, 4536
Friedman, D. B. 258
Friedman, J. M. 3397
Friedman, S. B. 3126
Friedrich, H. 49
Friemann, A. 3704
Frimmel, F. H. 616
Frink, C. R. 4481
Frisch, J. C. 287
Frischmuth, K. 1278, 2929
Fritz, D. 1008
Fromm, J. 2556, 3864
Frøslie, A. 2906
Frost, A. J. 4970
Frost, M. 3704
Froud-Williams, R. J. 274, 969, 2200, 3075, 3926, 4794
Fry, J. D. 1615, 4700
Fu, J. H. 2354
Fu, L. 919
Fu, Y. F. 2138
Fuchedzhi, V. D. 1980
Fuchs, J. 1892
Fuchs, M. 3671
Fuchs, W. 956
Fuerst, E. P. 650, 985, 1168, 2793, 2797, 4580, 4969
Fugitt, T. 1467
Führ, F. 2288, 2729, 3633, 3637, 3669-3670, 4526
Fujie, M. 1428
Fujihara, Y. 110
Fujii, Y. 3394
Fujimoto, S. 1434
Fujioka, H. 3154
Fujisaka, S. 34, 905
Fujita, Y. 2704
Fujiyama, K. 3196
Fujota, T. 4476
Fukami, H. 1449, 4857
Fukuda, A. 1058
Fukuda, E. 3937
Fukuda, E. K. 4018
Fukushi, Y. 4721
Fukushima, S. 3682
Fukushima, T. 4044
Fukushima, Y. 1015, 4632
Fuller, J. L. 3893
Fuoco, R. 109, 1860
Furness, N. H. 1267
Furukawa, A. 3046
Fusetani, N. 4288
Fushiwaki, Y. 4470
Fusi, P. 2722
Fuster, D. J. 3171
Fyk, B. 1427
Gábelová, A. 153
Gaber, A. 4283
Gaberščik, A. 3015
Gabriel, J. 4081
Gacheru, E. N. 743
Gacia, E. 402
Gaffer, M. A. 3930
Gaggi, C. 4050, 4072, 4505
Gagnon, D. 668, 2347
Gahér, S. 2385
Gahrtz, M. 2693
Gaillardon, P. 613
Gaines, A. 660
Gaines, M. S. 4377
Gaiser, J. C. 4834
Gajendra Singh 3787, 5024
Galadi, A. 3554
Galambosi, B. 4251
Galanti, G. 4300
Galdames G., R. 2109
Galeev, R. R. 3806
Galey, F. D. 387
Galhiane, M. S. 4009
Galiev, M. S. 2461
Gallagher, S. 1224
Gallandt, E. R. 2346
Gallego, M. J. 3420
Gallenberg, D. 2594
Galletti, G. C. 2723
Gallitano, L. B. 2896
Galloway, L. F. 3471
Galoux, M. 684
Gal'vidis, I. 2128
Galway, M. E. 3101
Gama, A. 4241
Gamal, E. S. 1234
Gamal-El-Din, E. 1435
Gamalei, Y. V. 2556, 3864
Gambonnet, B. 1166
Gamón, M. 2307, 2405, 4515
Gan, J. 399, 1079, 3224
Ganai, B. A. 2025
Ganeshan, G. 4606
Gangwani, L. 2132
Gangwar, K. S. 2830
Ganpat Singh 3386
Gansser, D. 3734, 4831
Gantchev, L. 205
Gao, F. 1843
Gao, J. 80, 919
Gao, Z. Y. 399
Garbutt, J. T. 3021
García, B. 67, 3531
García, J. J. 1796
Garcia, Y. V. 1774
García-Baudín, J. M. 1593, 2308, 2353, 4109
Garcia-Camacho, P. 571
García de la Cuadra, J. 2405
García Floria, M. C. 2436
García Fuentes, A. 2233
García-Raurich, J. 3125
Garcia Sanchez, F. 4024
García-Torres, L. 1643, 1684, 2161, 2199, 2549, 2853, 2972, 2982, 3029, 3421
García-Valcárcel, A. I. 118, 1593
Gardi, C. 3252
Gardner, D. E. 2109
Gardner, D. R. 1261, 3402, 3850
Gardner, J. C. 5026
Gardner, M. G. 3997
Gardner, S. J. 3662
Garg, P. 4744
Garg, S. N. 518
Garita, I. 57
Garmouma, M. 1882
Garnier, R. 594, 3152
Garofani, S. 3562
Garrett, K. A. 4368
Garrido Frenich, A. 3580
Garrido-Ramos, M. 3102
Garrison, A. W. 4020
Garrity, D. P. 470, 1174, 2645
Garry, V. F. 3150
Gartner, F. R. 1208
Gascho, G. J. 180
Gascón, J. 4468
Gašic, O. 2364
Gaskin, R. E. 1513
Gaspar, E. M. 4540
Gasper, J. J. 2523
Gasquez, J. 1317, 4802
Gasser, C. S. 538, 4834
Gassmann, A. 828
Gastine, F. 3836
Gaston, L. A. 168, 2751
Gates, D. A. 1856
Gatti, E. U. 4669
Gatti, L. 3872
Gatto, A. del 1628
Gatzweiler, E. W. 3623, 3654
Gault, G. 3401
Gaur, G. S. 4655
Gautam, K. C. 4473
Gauvrit, C. 279, 4126
Gavilanes, M. L. 3062
Gavilanes-Ruiz, M. 4568
Gaweesh, S. S. M. 3820
Gawronski, S. W. 3202, 3500
Gay, M. H. 3595
Gaynor, J. D. 3127, 3166, 3170, 4499
Gazelles, O. 3344
Gbéhounou, G. 2994
Gealy, D. R. 985, 1024, 1122, 1746, 2210
Gee, M. 644
Gee, S. J. 4022
Gee, S. K. 5046
Geel, W. C. A. van 334
Gehring, J. L. 10, 2180
Gehrke, M. 2741
Geiger, H. 62, 2702, 4829
Geiges, B. 1533
Geilen, N. 3868
Geladi, P. 608
Gendle, P. 1729
Gendraud, M. 1838
Genix, P. 676, 4559
Gennari, M. 635, 1911, 3163
Genova, L. 3141
Genty, B. 4828
George, L. 647
George, S. 4630
George, S. P. 4630
George, T. 470, 1174, 2645
Georgueieva, I. 2944
Gerard, G. 855
Gerasimov, K. E. 4895
Gerber, D. T. 1706
Gerber, M. 4455
Gerdes, K. 496
Gerdol, R. 2676
Germany, Biologische Bundesanstalt für Land- und Forstwirtschaft, Braunschweig 2497
Gerry, A. K. 4371
Gerth, U. 2599, 4328
Gerts, S. M. 2360
Gerwick, B. C. 424
Gessa, C. 1909, 2750
Getsinger, K. D. 1314
Gettinby, G. 3614
Gewasbescherming 5011
Geyer, W. A. 4693
Ghebbioni, C. 2326
Gheorghe, A. 1666
Ghersa, C. M. 3077, 3742
Ghezzi, P. 1476
Ghijsen, R. T. 4866
Ghildyal, R. 3131
Ghisalberti, E. L. 2926
Ghosh, A. K. 2417
Ghosh, B. 3359
Ghys, K. 4520
Gianessi, L. 4957
Gianfreda, L. 4529
Gianguzza, A. 3122
Gibbons, J. W. 3586
Gibeault, V. A. 3381
Giblin, E. M. 3976
Gibson, A. H. 4201
Gichner, T. 79
Gichuru, M. P. 249
Giebel, J. 4090
Gierczyk, R. 4169
Giersch, T. 3576
Giglio, E. 2669
Gigot, C. 3199
Gijsbers, H. J. M. 801
Gil, J. 2960
Gil, R. 2492
Gilani, A. H. 842
Gilchrist, T. A. 4463
Gill, G. 1591
Gill, G. S. 3990
Gill, K. S. 269, 2416, 2821
Gillen, K. J. 4565
Gillespie, A. R. 5122
Gillespie, T. J. 1624
Gillet, C. 4058
Gillham, N. W. 3216
Gilliam, C. H. 1129, 1491, 3376
Gilliland, G. C. 4649
Gillis, J. H. 1899
Gilmour, J. 4312
Gilvydis, D. M. 4464
Gimenez, R. B. F. 2730
Gindrat, D. 547, 4163
Ginevskiĭ, N. K. 753
Giorgio, D. de 982
Giri, S. 4002
Giromini, L. 1425, 4423
Gish, T. J. 614, 627, 1959, 4077
Giudice, V. L. 4844
Giudici, M. L. 3298, 4192
Gizbullin, N. G. 1654
Gjerstad, D. H. 350, 804, 939
Glabiszewski, J. 4079
Glaze, N. C. 2849
Glazebrook, J. 4431
Głazek, M. 3762
Glen, D. M. 4324
Gloria, C. 263
Glover, G. R. 33, 346, 350-351, 804, 939
Glover, P. 2398
Gnanamoorthy, P. 3453
Gnikyuk, V. I. 1980
Goatley, J. M., Jr. 2095
Godall, M. 2439
Godfrey, K. E. 5174
Godiard, L. 4430
Godron, M. 3957
Godt, D. E. 4837
Goebel, C. 1102
Goel, U. 1400
Goff, W. D. 2060, 4793
Goggin, M. 1057
Gogoi, A. K. 2816, 2838, 2840, 2842, 3294, 4186, 5044
Gogoi, P. K. 3294
Gogulwar, M. 3310
Goh, K. S. 3130
Gohbara, M. 3287
Gojmerac, T. 131
Gökkuş, A. 4636
Golan, S. 1660, 2867, 2964
Goldberg, R. B. 885
Goldmann, A. 2272
Goldmark, P. J. 443, 446
Goldsborough, L. G. 4742
Goldwasser, Y. 2867, 2964
Gollasch, S. E. 3498
Golosov, S. N. 3556
Golovleva, L. A. 2759
Golz, A. 1947
Gomand, M. 1582
Gomes, R. 5016
Gomes, T. C. de A. 306
Gómez, J. M. 1285
Gómez de Barreda, D. 2307, 2405, 2489
Gómez. J. 2879
Goncharova, A. V. 1653
Göncz, A. M. 2565
Gonese, J. U. 632
Gong, H. 4298
Gong, Q. W. 4370
Gønget, H. 550
Gonik, G. E. 3238
Gonnord, M. F. 155
Gonzales, J. 57
González, R. M. 1851
Gonzalez, T. 2748
González-Andujar, J. L. 1785
González-Andújar, J. L. 2535
González-Andujar, J. L. 4164
Gonzalez-Lopez, J. 1498
González Ponce, R. 2195
González Torres, R. 2582
González-Vainer, P. 3410
Gonzalez-Valero, J. F. 4083
Good, W. R. 1441
Goodale, D. M. 3267
Gooddy, D. C. 3593
Goodman, B. A. 179
Goodnight, C. J. 3522
Goodwin, M. 1971
Gopichandran, R. 2708
Gorbach, T. I. 637, 3258, 3827
Gorbatov, V. S. 4026
Gorddard, R. J. 4614

Gordon, A. M. 5113
Gordon, D. R. 3042
Gorenflo, V. 616
Gorina, I. N. 2785
Göring, H. 3533
Gorkin, V. 1479
Gornall, R. J. 3874
Goronea, M. A. 282
Gorski, S. F. 2219
Gosal, S. K. 4551
Goss, G. R. 2798
Gosselin, A. 4701
Gossett, B. J. 4408
Goswami, T. 4301
Goto, M. 4839
Gotoh, T. 4111-4112
Gottesbüren, B. 3611, 3633
Gottsberger, G. 3909
Goudriaan, J. 1765
Gough, M. A. 1468
Gouret, E. 1924
Gourlay, A. H. 4705
Govedarica, M. 1917, 4530
Gover, A. E. 3185, 3194, 3389, 3391
Govindra Singh 1779, 2298
Gowda, C. K. 1852
Gowda, D. N. 1852
Gowda, M. K. M. 2014
Gowda, T. N. V. 2481
Graaf, H. J. de 1312
Graaf, W. F. de 112
Grabias, B. 841
Grabiński, J. 5033
Grace, J. B. 4362
Graham, N. J. D. 1493
Graham, R. D. 4948
Grala, B. 724, 4595
Grammatikopoulos, G. 3973
Gramshaw, D. 756
Granátová, M. 128
Grandberg, I. I. 3555, 3617
Grande, M. 1072
Grandjean, D. 3558
Grandy, N. J. 4993
Granger, R. L. 1931, 4088
Granoszewski, W. 2636
Granovsky, A. V. 1091
Grant, M. R. 4430
Grant, R. 39, 3574
Grant, W. F. 2784
Grapow, L. C. 2635
Grassman, P. W. 1881
Gratzfeld-Hüsgen, A. 1885
Grau, R. 4908
Grausem, B. 3199
Gray, J. A. 1810
Gray, K. R. 5169
Grayson, B. T. 1324, 2382-2383, 4096
Grbavac, N. 3903
Greaves, M. P. 4324
Green, E. 5004
Green, G. A. 1101
Green, J. D. 3167
Green, J. M. 1152, 3710, 4129
Green, L. 4713
Green, M. 260
Green, M. R. 267, 272
Green, S. 4442
Greenberg, B. M. 1295
Greenfield, A. 5088
Greenhow, D. T. 4565
Greenland, A. J. 4128
Gregoire, T. G. 336
Greimler, J. 20
Grenier, G. 408, 2149
Greppin, H. 3094
Gressel, J. 661, 1418, 1814, 1817, 2920, 2932
Grether, R. 3845
Greulach, L. K. 4625
Grevy, L. 4085
Gribova, Z. P. 4964
Grichar, W. J. 324-325, 1647, 4582
Griepink, B. 2284
Grier, N. 1974
Griffin, J. L. 788-789, 1229, 1724, 2036, 2202, 2211, 3225, 5095
Griffin, K. A. 358
Griffis, W. L. 607
Griffith, I. J. 540, 1674
Griffiths, W. 332
Gril, J. J. 3650
Grilz, P. L. 1206, 3302
Grimalovskiĭ, A. M. 678
Grime, J. P. 930
Grimme, L. H. 4945
Grob, K. 3567
Grob, R. L. 2719
Groeneveld, D. P. 4748
Groffman, P. M. 1863
Grønstøl, H. 2906-2907
Gronwald, J. W. 1143, 1943
Groom, M. J. 4395
Groot, A. C. de 3666
Gross, C. L. 3847
Gross, K. 5146
Gross, M. L. 2287
Grossmann, K. 646, 2765, 4091, 4455
Grosz, F. A. 1920
Groth, I. 4426
Grover, R. 2377, 4472
Groves, R. H. 3905
Groves, S. J. 260, 267
Grubb, P. J. 2538
Grulich, V. 1793
Grundy, A. C. 274
Gu, A. G. 1764
Gu, L. Y. 1596
Guara, M. 3061
Guardo, A. di 629, 3583
Guazzelli, R. J. 305
Gubbins, B. 4932
Gubenko, M. V. 3313
Guelly, K. A. 979, 3952
Guervin, C. 3528
Gueuné, Y. 1914
Gugerli, P. 3344
Guggenheim, R. 1575
Guh, J. O. 1384, 1386, 1405, 1576, 2031, 2442, 2445-2446, 2449, 2451, 2689-2690, 2781-2782, 2833
Guh, O. J. 1385
Guha, B. 2088, 5073
Guha, C. 4268
Guha, P. K. 4525
Guido, M. A. 2617-2618
Guidotti, T. L. 4589
Guigue-Talet, P. 4559
Guilfoyle, T. J. 644
Guillebeau, L. P. 1054
Guillen, L. 2581
Guillerm, J. L. 3956
Guinko, S. 4273-4274
Guino, R. A. 905
Guldan, S. J. 5026
Güldede, N. 848
Gullner, G. 1930, 3218
Gumedzoe, Y. M. 979, 3952
Gummesson, G. 248
Gunaseelan, V. N. 3411, 4267
Gunasekaran, R. 3974
Gunasekera, T. G. L. G. 3111, 3849
Gunn, N. 528
Gunsolus, J. L. 285, 1776, 4381-4382
Günther, H. 497
Günther, P. 173, 3647, 3890
Günther, P. von 4067
Guo, L. 2699
Gupta, A. K. 1400
Gupta, D. 4339
Gupta, K. C. 612, 2298, 4474
Gupta, M. 186, 3447, 4739
Gupta, O. P. 2818
Gupta, P. K. 1066, 3155
Gupta, P. M. 5175
Gupta, R. K. 1146
Gupta, R. P. 2041, 4551
Gupta, S. C. 458
Gupta, S. D. 3878
Gupta, V. K. 123, 433
Gurcharan Singh 2041
Gurmehar Kaur 4551
Gurnell, A. M. 3007
Gurusiddaiah, S. 1024, 4224
Gurusubramanian, G. 2708
Guruswamy, T. 3717
Guseva, A. A. 3238, 3697
Gusta, L. V. 1501, 2697
Gustafson, D. I. 247
Gustavsson, A. M. D. 1783
Gustin, F. 232, 1078, 4084-4085
Gut, D. 2054, 3344
Gutierrez, A. P. 5190
Gutiérrez, Z. M. 1851
Gutierrez-Rave, M. 380
Gutierrez Sosa, M. 2197
Gutierrez Villarias, M. I. 3396
Gutte, P. 1799, 3513
Gutterman, Y. 1329
Guttieri, M. J. 1630, 4554
Gutzwiller, A. 2115
Güven, A. 4271-4272
Guy, C. B. 1610, 1612-1613
Guy, C. B., Jr. 5109
Guy, C. G. 1611
Guyana, National Agricultural Research Institute 864
Guyot, C. 3650
Guzikowa, M. 2643
Haack, A. E. 2434
Haase, P. 4710
Haase, R. 4710
Habeck, D. H. 3543
Haberer, K. 1907
Habib, M. W. 2085, 2649
Hächler, M. 3344
Hack, C. M. 3934
Hackett, W. P. 1667
Haddad, C. R. B. 1254
Haddad, N. I. 1775, 4648
Haerdi, W. 4017
Haferkamp, M. R. 2035
Häfner, M. 3138
Hage, D. S. 2289
Hagen, G. 644
Hagenah, J. A. 4008
Hager, A. 2469
Haggar, R. J. 4338
Hagiwara, K. 1029
Hagood, E. S., Jr. 2012, 3273
Hagood, S. 257
Haines, T. K. 704
Haissig, B. E. 3685
Haitas, V. C. 4236
Hajar, A. S. M. 1771, 3520
Hajek, B. F. 1491
Hajra, N. G. 3829
Hakeem, M. A. 1407
Halbert, S. E. 2566
Hald, A. B. 972
Haley, J. E. 2096-2097
Halila, M. H. 2858, 2955
Halimie, M. A. 1651
Hall, D. G. M. 3636
Hall, D. W. 914, 3452, 4103
Hall, E. A. H. 4963
Hall, F. R. 1153, 3226, 3646
Hall, J. C. 578, 1511, 1877, 4407, 4543, 4560
Hall, J. K. 569
Hall, L. M. 1807
Hall, L. W., Jr. 2744, 4054
Hall, M. H. 5063
Hall, M. R. 4343
Hallett, S. G. 382
Hallett, S. H. 172, 3586
Hallgren, E. 2592
Halling, B. P. 1452
Hallock, Y. F. 1009
Hălmăgean, L. 3332
Halperin, D. 2313
Halperin, W. E. 597
Halsall, D. M. 3498
Halsall, H. B. 3576
Halva, E. 301
Halvorson, J. J. 1383
Hamad, A. M. 5172
Hamada, A. 114, 4446
Hamada, A. A. 893-894
Hamada, K. 1447-1448
Hamada, T. 1862
Hamaguchi, H. 4854
Hamamura, M. 4043
Hamamura, T. 4470
Hamatani, M. 4288
Hamburger, M. 376
Hamdoun, A. 893-894
Hameed, K. M. 2956
Hameed, S. H. A. 1014
Hamel, C. 1931
Hamey, P. 4997
Hamid, A. 4367
Hamill, A. S. 695, 3127, 3235, 4179, 4207
Hamilton, R. J. 4717
Hamilton, R. N. S. 4338
Hamm, R. T. 3651
Hammann, H. 3726
Hammen, S. C. L. 2260
Hammer, M. L. A. 706
Hammermeister, D. E. 4053
Hammerschmidt, R. 1326
Hammock, B. D. 189, 1042, 3130, 4022
Hammouda, O. 4283, 4290
Hammouda, O. H. E. 1149, 1531
Hamper, B. C. 2280
Hampson, E. C. G. M. 1043
Hampton, J. G. 2460
Han, J. H. 2833
Han, J. K. 1562
Han, K. S. 2376
Han, S. O. 1495
Han, S. S. 1343, 1391, 1649, 1804
Han, S. U. 1576, 2445-2446
Hanazato, T. 4049, 4305
Handel, S. N. 977, 1768
Handjieva, N. V. 3689
Handley, D. T. 4666
Hanesworth, V. R. 1529
Hanff, H. 739
Hang, A. N. 4649
Hangarter, R. P. 9
Hanhijärvi, A. M. 1286
Hanioka, N. 4043
Hanks, J. E. 1568
Hanley, K. 2375
Hanna, P. M. 1063
Hanna, W. S. 1938, 4961
Hanna, W. W. 458
Hannan-Jones, M. A. 2586
Hänninen, O. 409
Hannoufa, A. 2701
Hansen, M. S. 867
Hansen, P. 4102
Hanson, G. E. 2824, 4980
Hansson, M. 3151
Hansson, M. L. 2584
Hantson, P. 2312
Hanzlík, J. 1860
Hapeman, C. J. 1487, 4454, 4508
Hapke, H. J. 2913
Happell, J. D. 855
Haque, M. F. 763
Hara, T. 3490
Harada, N. 2315
Harada, T. 1135
Harada, Y. 3100
Haraguchi, K. 4471
Harashima, N. 4637
Harbans Singh 2837
Harbir Singh 2817
Harborne, J. B. 2941
Hardee, D. D. 1011
Hardeep Singh 2517, 3383
Hardegree, S. P. 1
Hardell, L. 2735
Hardin, J. W. 3409
Hardy, C. L. 1460
Hardy, D. H. 615
Haria, A. H. 3630
Hariyappa, N. 1961
Harker, K. N. 54, 1472, 1507, 3197, 3236, 4535, 4537, 4974
Harkess, R. L. 1372
Harmail Singh 2402
Harman, H. M. 4708
Harman, W. L. 333, 729
Harmens, H. 1829
Harnischfeger, G. 899
Harper, S. S. 168, 619, 3621
Harre, M. 4035
Harren, F. J. M. 2769, 2997

Harrington, K. C. 2460, 4234, 4249, 4265
Harrington, K. J. 5045
Harrington, L. 34
Harrington, P. M. 3551
Harris, E. H. 3216
Harris, G. L. 623, 3635, 3645, 3653
Harris, J. 930
Harris, J. D. 3472
Harris, N. 1844
Harris, P. 5148
Harris, R. F. 1103
Harrison, D. 3099
Harrison, H. F., Jr. 4803
Harrison, K. 1557
Harrison, P. A. 3092
Harrison, R. 3583
Harrison, R. M. 4071
Harrison, S. B. 2495
Harrison, S. K. 2523, 2655
Harrod, R. J. 4770
Harry, P. 3152
Hart, B. W. 1480
Hart, C. A. 229
Hart, J. J. 194
Hart, J. P. 1458
Hart, M. L. 12
Hart, Q. 983
Hart, R. H. 4634
Hart, S. E. 666
Hart-de Kleijn, V. M. 't 133
Härtel, H. 1675
Hartingsveldt, H. van 3340
Hartley, I. C. 1458
Hartley, M. J. 3961, 4222
Hartman, G. L. 3981
Hartman, T. G. 4018
Hartmann, T. 1841
Hartog, R. S. den 3666
Hartwig, N. L. 290, 3268, 3388
Harvey, B. M. R. 658, 1543
Harvey, I. C. 4442, 5060
Harvey, L. T. 1733
Harvey, R. G. 289, 1319, 2431
Harwood, J. L. 1944-1945, 1948
Hasabo, S. A. 2403, 4813
Hasan, S. 4718
Hasaneen, M. N. A. 206, 1139
Hasebe, M. 4769
Hasegawa, A. 4470
Hasegawa, K. 4542
Hasegawa, R. 642, 1065, 3901, 4417
Hasenstein, K. H. 992
Hashem, A. 4367
Hashim, I. B. 1535
Hashimoto, M. 1449
Hasija, S. K. 4433
Haslinger, E. 1114
Hassan, M. W. 2856
Hassan, S. A. 4903
Hassan, S. W. 1992
Hassink, J. 3651
Hastings, M. 3570
Hatakeyama, S. 3448, 3682
Hatano, M. 2796
Hatch, M. D. 1423
Hatcher, P. E. 545, 3104, 3987
Hatfield, J. L. 495
Hatfield, L. D. 4687
Hathout, T. 3676
Hatterman-Valenti, H. 1631
Hattingh, D. A. 782
Hatton, P. 2698
Hattori, J. 2371
Hatzios, K. K. 231, 649, 651
Haugland, E. 1055
Hausladen, A. 4958
Häusler, R. E. 196
Havlický, R. 1148
Havránek, E. 2733
Hawf, L. R. 3680
Hawkins, J. W. 3367
Haworth-Brockman, M. J. 418
Hay, J. D. 464
Hayakawa, K. 2796
Hayashi, I. 2315
Hayden, S. M. 507
Hayden, W. J. 507
Hayes, P. M. 435
Hayes, R. M. 2336
Hayton, W. L. 1069, 4909
Haywood, J. D. 1219, 3372
Hazarika, U. K. 2836
Hazebroek, J. P. 1112
He, J. H. 4618
He, X. K. 4578
Heap, I. M. 1815, 1979
Heard, C. S. 2303
Heard, T. A. 105, 3997, 5135, 5141
Heberer, T. 3563
Hébert-Soulé, D. 3184
Heederik, D. 4891
Heer, H. de 243, 5003
Heer, W. F. 730
Heernandez Nistal, J. 2162
Hegarty, C. A. 970
Hegazy, A. K. 1756, 3940
Hegde, M. R. 323
Heiermann, M. 3611, 4067
Heilmann, H. 3886
Heilmeier, H. 1375-1376
Heim, D. R. 2374
Heim, R. 3085
Heimlich, F. 3668
Heineman, W. R. 3576
Heinonen-Tanski, H. 1087, 1486
Heinrichs, E. A. 3281
Heiny, D. K. 2711
Heinze, B. 71
Heisner, R. W. 4752
Heisswolf, S. 877
Heitefuss, R. 480
Heitholt, J. J. 4962
Heitzmann-Hofmann, A. 3942
Heldwein, A. B. 3497
Heller, K. 4237
Hellquist, C. B. 3009
Helmi, S. 4490
Helms, R. S. 754, 1613
Heltbech, K. 3824
Helweg, A. 3606, 4477, 4918
Hembry, J. K. 4219
Hemerly, A. 82, 90
Hemmen, J. J. van 3712
Hendrie, J. D. 1468
Hendry, G. A. F. 1748
Hengstler, J. G. 1892
Henis, Y. 4447
Henningsen, G. M. 4492
Hennion, M. C. 571, 1032, 3569
Henry, C. 1289
Henry, C. J. 1903
Henry, C. S. 845
Henry, J. M. 3381
Henry-Vian, C. 2267, 3978
Henschel, K. P. 2325
Henskens, F. 4613
Henze, G. 4870
Heppell, K. 3630
Herbst, D. R. 3037
Heremans, B. 4821
Hereźniak, J. 2625
Hermann, O. 5097, 5102
Hermanutz, L. A. 986
Hermosin, M. C. 3625
Hernaiz, P. J. 4622
Hernandez, A. 751
Hernandez, E. 1774
Hernández, M. 491
Hernández-Bermejo, E. 2945, 2973
Hernández Garboza, L. 2276
Hernández-Hernández, F. 4010
Hernández L., G. 4979
Hernández La R., S. 4979
Hernández La Rosa, S. 4979
Hernández Legón, G. 4979
Heron, J. K. 1105
Herrero, M. A. 5154
Hertle, A. T. 2917
Hertog, J. den 4786
Hertogh, A. A. de 2896
Hertzler, G. 4614
Herzlinger, G. 1660, 2867, 2932
Herzog, D. P. 1877, 2728
Hesketh, J. D. 475, 4421
Hess, F. D. 425, 714
Hess, T. M. 4390
Hessen, D. O. 1073
Hessler, D. P. 616
Hesterman, O. B. 3306
Hewitt, A. J. 220
Hewitt, H. G. 1324
Hewson, R. T. 280
Heyer, R. 3123, 3658
Heyland, H. P. 1185
Heyland, K. U. 481
Heylings, J. R. 1061
Hezewijk, M. J. van 1684, 2949
Hickey, C. W. 4906
Hickey, W. J. 3171
Hickok, L. G. 24-25
Hidalgo, I. 2185
Hiejden, R. van der 1822
Hifny, H. A. 5089
Higashi, S. 1340
Higgins, K. F. 1903
Hight, S. D. 420
Hignett, R. R. 246
Hilbig, W. 952-953
Hilborn, D. 4527
Hill, A. L. 266
Hill, B. D. 3137
Hill, M. P. 3540
Hill, R. L. 4705
Hill, R. W. 777-778
Hill, T. A. 3918, 4354
Hillenkamp, F. 2727
Hillman, J. R. 179
Hillocks, R. J. 4846
Hills, L. A. 564
Hilp, U. 3695
Hilton, G. 4683
Himelrick, D. G. 1222
Himme, M. van 232, 1078, 4084-4085
Himmelsbach, J. 4660, 4992
Hincapié C., M. C. 96
Hinton, D. E. 4457
Hintzsche, E. 496, 4621, 5019
Hiraoka, A. 3530
Hirase, K. 1163, 3702
Hiremath, S. P. 1687
Hirner, M. 547
Hirokawa, T. 110
Hironaka, R. 1179
Hirose, K. 4569
Hirose, T. 3438, 4784
Hirschberg, J. 2792
Hislop, E. C. 3699
Hite, D. R. C. 1502
Hixon, M. 2795, 4008
Hjeljord, O. 4817
Hjortsholm, K. 4608
Ho, N. K. 4189
Hoag, D. L. 4624
Hobbs, H. A. 4434
Hobbs, P. 34
Hobbs, R. J. 4727, 4811, 5129
Hock, B. 1044, 2294-2296, 3576
Hockland, S. H. 1731
Hodges, C. F. 1115, 3538
Hodgkinson, B. A. 3629
Hoechst Schering AgroEvo K. K. 4484
Hoek, W. P. M. van den 1819
Hoekstra, L. 2050
Hoerlein, G. 4445
Hoffer, B. L. 677, 2372
Hoffman, J. C. 217
Hoffman, L. D. 2430
Hoffman, R. S. 4717
Hoffmann, G. 1689
Hoffmann, J. H. 367, 2710
Hoffmann, M. G. 1451
Höfgen, R. 2790
Hofmann, L. 1008
Hofmann, R. 3656
Höfner, W. 659
Högbom, L. 3045
Hogendoorn, E. A. 112, 4010
Hogge, L. R. 3976
Högger, C. 547
Högger, C. H. 4904
Hogue, E. J. 2055
Hojo, N. 4044
Holben, W. E. 4521, 4936
Holcombe, G. W. 4053
Holcroft, D. M. 3810, 4657
Holden, A. N. G. 2713
Holder, B. J. 310
Holdom, D. G. 1074
Holen, B. 1037, 2306
Holgate, M. 3498
Holguin, G. 4356
Hollá, M. 2733, 3384
Holland, P. T. 1868, 4068
Holländer-Czytko, H. 2766
Hollihn, U. 4908
Hollingsworth, P. M. 3874
Hollingworth, R. M. 4994
Hollis, J. M. 172, 1092, 3586
Holloway, P. J. 224
Hollowell, W. 1934
Holm, A. McR. 1207
Holm, F. A. 2786, 3198, 4148
Holmes, S. B. 609, 1067, 1070, 1075
Holmes, S. J. I. 4312
Holmøy, R. 3720
Holsteijn, I. van 1482
Holt, D. C. 4128
Holt, J. S. 713, 984, 4404
Holt, R. D. 4377
Holtum, J. A. M. 196, 983, 1130, 1145, 2341, 2684, 3027
Holtzman, G. I. 947, 2653
Holub, E. B. 528, 541, 4428
Holub, M. 1338-1339
Holubcová, M. 587
Holzapfel, S. 26
Honěk, A. 3894
Hong, D. Y. 1761
Hong, K. S. 1537
Hong, M. K. 4869
Hong, S. Y. 1523, 4894
Honoré, P. 2312
Hooda, R. S. 3683
Hoogenboom, L. A. P. 4322
Hoogerbrugge, R. 3560
Hook, J. E. 180
Hooley, R. 3181, 3183
Hoorne, D. 1565
Hopen, H. 1640
Hopen, H. J. 4656
Hopkins, D. 5001
Hopkins, W. L. 2279
Horak, M. J. 452, 886, 3523, 3795
Hořicová, P. 4864
Horio, T. 2700
Horn, C. 4829
Horner, J. M. 2683
Horner, L. M. 1081
Hornung, R. W. 597
Horowitz, M. 5179
Horsten, P. J. F. M. 4850-4851
Horstman, S. W. 4590
Hörtig, W. 3139
Horton, D. 1080
Horton, D. K. 1612
Horton, M. 513
Horton, P. 1831, 1839, 2265
Horton, R. 3167
Horton, R. F. 1287
Hosmani, M. M. 2152, 4323
Hosoda, H. 5000
Hospedales, C. J. 4136
Hossaert-McKey, M. 2662
Hostettmann, K. 376
Hottenstein, C. S. 1877
Hou, J. D. 4001
Hou, J. Q. 3463
Hou, Y. 2903
Houghton, A. M. 4998
Houot, S. 3176
House, K. 4132
House, W. A. 2284
Houssa, P. 1373
Houssard, C. 504, 3963
Houwen, F. 2331
Hovermale, J. T. 378
How, S. T. 2174
Howard, C. A. 219
Howard, D. C. 963
Howard-Williams, C. 1303
Howell, J. McC. 835
Howells, T. 1948
Howes, B. L. 410
Howse, K. R. 623, 3635

Hoyle, S. T. 207
Hoyt, G. D. 3775
Hrabě, F. 301
Hroudová, Z. 1398
Hrubec, J. 3666
Hruska, K. 2609
Hruszka, M. 5067
Hsiao, A. I. 736, 1151, 1577, 1925, 1932, 2770, 3188, 4545, 4971
Hsieh, J. H. 2737
Hsieh, L. L. 2737
Hsieh, T. H. 2188, 2194
Hsieh, Y. N. 2319
Hsu, A. F. 4965
Hsu, C. C. 1233
Hsu, J. 1873
Hsu, J. D. 3599
Hsu, K. S. 4493
Hu, H. Y. 1633
Hu, Y. J. 3684
Hua, X. M. 4065
Huang, B. 596, 999
Huang, C. P. 1861
Huang, H. C. 2338
Huang, L. Q. 1083
Huang, M. C. 797
Huang, S. F. 922, 1676, 2187-2188
Huang, T. C. 922, 1422, 1676, 2187-2188, 2193-2194
Huang, W. C. 4941
Huang, W. Y. 259
Huang, X. D. 1295
Huang, Y. 521, 2352
Huang, Y. H. 2352
Huang, Y. T. 797
Huber, R. 3553, 3609
Hücker, K. 3632, 3637
Huckle, K. R. 3148
Huddleston, E. W. 220
Huebert, D. B. 1292
Huenneke, L. F. 3495
Huey, B. A. 754
Hugdahl, J. D. 1529
Hughes, C. D. 3662
Hughes, G. D. 3038
Hughes, J. S. 4325
Hugly, S. 3099
Huh, S. M. 1928
Hühnerfuss, H. 3578
Hulina, N. 2673
Hulley, P. E. 3113, 3540, 3995
Hülskamp, M. 3467
Hulst, P. J. van der 2994
Hume, D. E. 755
Hume, D. J. 3265
Hume, J. A. 1925, 3188, 4545
Hume, L. 896
Hummel, H. E. 115
Humphreys, S. P. 3608
Humphries, S. E. 4811
Hungary, Nagy László Irrigation Research Institute 3308
Hunt, L. M. 4613
Hunter, J. H. 145
Hunter, R. B. 214
Hunter, R. M. 4309
Huntley, B. 3948
Hunyadi, K. 436, 469
Hurburgh, C. R., Jr. 1460
Hurka, H. 89
Hurle, K. 137, 726, 1996
Hurrell, G. A. 861, 3903, 4309, 5060
Hurst, H. L. 146
Hurst, H. R. 5036
Hurt, R. T. 1239-1240
Hurtubise, Y. 408
Husain, S. Z. 2190
Husaini, S. W. H. 5160
Husband, B. C. 4781
Husby, J. 3824
Huso, M. 1266
Hussain, F. 2665
Hussain, M. 3224
Hussain, M. M. 747, 2743
Husseiki, M. M. 5171
Husseiki, Yu. M. 5171
Hussein, E. H. A. 1474
Hussey, P. J. 1528
Hussin, A. H. 4466
Hustert, K. 4005
Hutcheson, K. 502
Hutching, S. M. 4266
Hutchings, M. J. 4335, 4785
Hutson, D. H. 4322
Hutson, J. L. 3640
Huyser, M. A. H. 1819
Hvelplund, N. J. 3824
Hwang, H. S. 1953
Hwang, I. T. 1537-1538, 2389
Hwang, K. L. 1514
Hwang, Y. S. 4713
Hydrick, D. E. 2471, 3796
Hyvärinen, S. 3951
Ianniello, R. M. 3646
Iannone, M. 159
Iba, K. 524
Ibáñez, R. 2489
Ibrahim, H. Z. 4490
Ibrar-ul-Haq 1651
Ichikawa, E. 927
Ichikawa, S. 4862
Ichinose, K. 3692
Ichizen, N. 5047
Ickeringill, D. 4130
Ide, K. 1449
Idris, O. F. 4046, 4048
Iglesias Vazquez, C. 2427
Igrc, J 3738
Ihara, T. 3693
Iida, S. 4798
Iida, T. 3693, 4563
Iizuka, Y. 4859
Ikahu, J. M. 2525
Ikeda, E. 2261
Ikeda, H. 2648, 4366
Ikuenobe, C. E. 1629
Ilan, A. 1503
Illoh, H. C. 4414
Illyash, A. M. 5008
Ilovai, Z. 3736
Im, I. B. 1384-1386, 1405, 1521, 2451
Im, W. H. 2445
Imbroglini, G. 3652
Imeokparia, P. O. 1609
Immaculada Romero, M. 5173
Immerman, F. W. 590
Impson, F. A. C. 367
Inaba-Higano, K. 4835
Inam-ul-Haq, M. 4737
Incani, C. 2314
Indelicato, L. C. 5154
Inderjit 1399, 3501
India, Indian Society for Nuclear Techniques in Agriculture and Biology 872
İnel, Y. 3012
Informatore Agrario 1590
Ingerson-Mahar, J. 1599
Ingle, A. 1411
Innami, H. 5047
Innocenti, A. M. 4300
Inomata, N. 4774
Inoue, T. 908
Inouye, H. 122
Insausti, P. 4327
Inshin, N. A. 679
International Pest Control 688
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International Sugar Journal 1964
Inzé, D. 82, 90
Ioannilli, E. 3579
Ipor, I. B. 1515
Ipser, J. 1823
Iqbal, S. M. 2862
Iran, Iranian Phytopathological Society 4320
Irla, E. 3241
Irvine, D. G. 4472
Irzyk, G. P. 1168, 4580
Isaeva, L. I. 562
Isaichev, V. V. 162
Ischinger, L. S. 3397
Isebrands, J. G. 3685
Isenmila, A. E. 1629
Isensee, A. R. 1090, 2335, 2756, 4027, 4076
Ish-Shalom-Gordon, N. 2878
Ishaqe, E. 560
Ishida, Y. 2282
Ishii, R. 4746
Ishikawa, R. 1135
Ishimaru, T. 122
Ishimatsu, S. 1058
Ishizuka, K. 1128, 1541, 2344, 3230, 3673
Ishwar Singh 2524, 3386
Islam, M. A. 3930, 3930
Ismagilov, R. R. 2893
Ismail, A. E. 2403, 4813
Ismail, A. M. A. 2183-2184
Ismail, B. S. 3030, 3056, 3461, 4501
Ismukhambetov, Zh. D. 307
Isobe, A. 4044
Isogai, K. 3095
Isono, H. 1164
Isselstein, J. 441
Ita, E. O. 2316
Itak, J. A. 2728
Itatani, J. 4713
Itnal, C. J. 2882, 3319
Ito, K. 4815, 5046
Ito, M. 927, 4341, 4639, 5064
Ito, N. 1065
Itoh, K. 4815, 4839
Itoh, S. 2282
Ivanović M. 4810
Ivany, J. A. 2462, 4148
Ivashchenko, A. A. 1401
Iwabuchi, J. 3192
Iwakuma, T. 1305, 2301
Iwasaki, G. 2796
Iwasaki, N. 3873
Iwata, S. 1449
Iwo, G. A. 1691, 5160
Iyengar, S. 4997
Jab, M. S. 4466
Jablonkai, I. 651, 4579
Jabłoński, W. 5059
Jackowiak, B. 2631
Jackson, L. J. 3863
Jackson, M. A. 4443
Jackson, M. B. 1709
Jackson, R. J. 4590
Jacob, P. J. 1672
Jacobi, C. M. 916
Jacobs, J. J. 3305
Jacobs, J. M. 672
Jacobs, M. 84, 4821
Jacobs, M. H. H. E. 1380
Jacobs, N. J. 672
Jacobs, S. W. L. 2192, 3442
Jacobsen, D. 850
Jacobsen, O. H. 2243
Jacobsen, O. S. 3582
Jacobsohn, R. 2878, 2976
Jacobson, B. D. 31
Jacquard, P. 2852
Jaczewska, A. 724
Jadhao, S. L. 2819
Jadhav, A. S. 5039
Jadhav, N. S. 1226
Jáger, L. 827
Jäger, L. 5145
Jäggli, F. 4612
Jai Prakash 870, 4117
Jain, A. 525, 3573
Jain, A. K. 3989, 5153
Jain, H. C. 727, 2472, 3310
Jain, K. K. 3064
Jain, R. 425, 577
Jain, S. K. 3989
Jaiswal, H. R. 3817
Jaiswal, V. P. 2048, 3326
Jalas, J. 3947
James, C. 4863
James, E. H. 3967
James, J. 2374
James, L. F. 1260, 3402-3403, 3850-3851
James, R. R. 2534
James, T. 1293
James, T. K. 3559, 4028, 4068, 4123, 4198 4500
Jamet, P. 167
Jamilena, M. 3102
Jamuna Ranie 4280
Janardhan, G. 5048
Janković, R. 2056, 4662
Janousek, V. 1482
Jansen, F. 2948
Jansen, R. K. 461
Janssens, S. R. M. 4601
Jantan, B. 1227
Jantošovič, J. 4047
Janvry, E. C. de 791
Janýška, A. 4218
Japan, Pesticide Science Society of Japan 3888
Jarchow, D. 5133
Jardine, D. J. 3780
Jarillo, J. A. 2605
Jarolímek, I. 1414
Jarosz, A. M. 1438-1439
Jarret, L. 4527
Jarry, M. 2662
Jarvis, L. J. 3565
Jarvis, N. J. 3634
Jarvis, T. D. 3649
Jasieniuk, M. 208, 1808, 4555
Jaswant Singh 4744
Jauzein, P. 1335
Jaworska, A. 1893
Jayachandran, K. 580
Jayakumar, M. 4286
Jayakumar, R. 4509
Jayalakshmy, B. 404
Jayanth, K. P. 386, 834, 4848
Jayaprakasam, R. 3974
Jaynes, D. B. 3119
Jazdon, J. 4595
Jeanneret, P. 1442
Jędruszczak, M. 4807-4809
Jee, S. H. 2737
Jeffers, G. M. 2257
Jeffrey, P. L. 2532
Jehangir, K. S. 5074
Jellen, E. N. 21
Jenkinson, P. 92
Jenner, P. 376
Jennrich, H. 330
Jensen, J. E. 3687, 3710, 3745, 4235, 4969
Jensen, J. K. 1352
Jensen, J. N. 4007, 4082
Jensen, K. I. N. 4925
Jensen, P. K. 1214, 1236
Jepson, I. 4128
Jeschke, W. D. 1695-1696, 2122
Jeschkeit, H. 1006
Jeune, B. 3086
Jeyarajan, R. 837
Jha, K. C. 326
Jha, R. R. 4349
Jia, W. P. 1764
Jian, J. 4573
Jiang, C. Z. 87
Jiang, D. F. 4578
Jiang, J. 406
Jiang, R. C. 860
Jiang, T. 3576
Jiang, X. L. 4065
Jiaqi, D. 2130
Jimenez, R. 3177
Jiménez Hidalgo, M. J. 3029
Jin, L. 3227
Jinno, H. 4043
Jitender Kumar 4117
Jlibene, M. 41
Job, D. 4559
Jobidon, R. 4946, 4959
Jobin, B. 966
Jobin, P. 5021
Jochem, H. S. 2910
Jockers, R. 1046, 1461, 1545
Joel, D. M. 1685, 2551, 2920, 2932, 2950-2951, 3423
Joenje, W. 973
Johansen, J. N. 2363
Johansen, S. W. 2136
Johansen, T. J. 1722
Johansson, T. 3807
Johns, E. A. 706
Johnsen, A. M. 2306
Johnson, A. C. 3627, 3630, 3642
Johnson, A. W. 180, 2849

Johnson, B. J. 356-357, 812, 1241, 1245, 2091, 2093-2094, 2895, 3377, 3841, 5124
Johnson, D. C. 2754, 4921
Johnson, D. E. 750, 3281
Johnson, D. H. 1612
Johnson, E. S. 4590
Johnson, G. A. 4397
Johnson, G. N. 1831, 1839
Johnson, G. W. 665
Johnson, J. B. 845
Johnson, J. E. 3575
Johnson, J. M. 3389, 3391
Johnson, K. D. 5122
Johnson, M. M. 310
Johnson, R. D. 4053
Johnson, R. M. 2380-2381, 4016
Johnson, R. R. 4434
Johnson, S. R. 3960
Johnson, W. C., III 946, 2502, 4679
Johnson, W. E. 4454
Johnson, W. G. 1453, 3144
Johnston, P. R. 4254
Johnstone, R. A. 3392
Joice, R. 3585
Joly, C. A. 4745
Jones, A. E. 260, 267
Jones, G. H. 994
Jones, J. D. G. 526
Jones, J. W. 474
Jones, M. 4846
Jones, R. D. 2304
Jones, R. H. 45
Jones, R. K. 4995
Jones, R. L. 171, 3585, 3645, 3654
Jones, R. T. 3334
Jones, S. R. 4863
Jones, S. S. 443
Jones, S. W. 5146
Jones, T. L. 4465
Jong, F. M. W. de 4497
Jong, T. J. de 1802, 2160, 2540, 4352
Jonot, O. 3610
Jönsson, J. A. 4011
Jordan, C. M. 4475, 4672
Jordan, D. L. 1644, 1648, 2880, 3784
Jordan, D. N. 4403
Jordan, J. L. 4672
Jordan. L. S. 4475, 4672
Jordan, N. 934, 2602, 3404
Jordan, P. W. 484
Jordan, S. J. 1063
Jordan, T. N. 4973
Jørgensen, L. N. 867, 3223
Jørgensen, P. 3626
Jorgenson, M. D. 2328
Jorošová, J. 3330
Jorrin, J. 1123
Joseph, A. 1293
Joseph, K. 4631
Joshi, M. K. 3213
Josue, H. R. 1791
Journal of Pesticide Science 601
Jouy, L. 2844
Jover, F. 2515
Joy, R. M. 4760
Ju, Y. C. 2234
Juan, R. 1420
Jukić, V. 2061
Juliani, H. R. 1668
Julien, J. L. 1827
Julien, M. H. 1294
Julli, M. 4059
Julliard, M. 3554
Juncker, E. 4988, 5081
Jung, B. 330
Jung, M. L. 5156
Junk, W. J. 2572
Junnila, S. 1486
Juraimi, A. S. 3461
Jürgens, G. 907
Jurgielewicz, W. 3691
Jurik, T. W. 1000
Jury, S. L. 2550, 2941-2942
Jury, W. A. 3162
Jurzysta, M. 4539
Just, F. 2294
Justice, G. G. 278
Justiniano Vieira, D. 2201
Juszczak, M. 4594
Jyoti Mishra 4433
Jyoti Singh 3503
Kabata, K. 4297
Kabdasli, I. 3134
Kabir, S. E. 3829
Kachroo, P. 1407
Kačmár, P. 4047
Kačnár, P. 4900
Kaczmarczyk, B. 3667, 4937
Kadiiska, M. B. 1063
Kadir, S. 3811, 4664
Kafiz, B. 2215
Kaib, U. 933
Kaidoh, T. 3154
Kailasam, C. 2067
Kairon, M. S. 798
Kakoty, N. N. 3110
Kaku, S. 717
Kalarani, V. 4056
Kal'chenko, V. I. 3228
Kalff, J. 3863
Kalinin, A. T. 1655
Kalisz, S. 3522
Kalita, H. 2816, 2838, 2840, 5044
Kalke, S. D. 5038
Kallay, W. B. 2798
Källqvist, T. 1073, 1076-1077
Kalyan, D. S. 3346, 3351
Kamakhina, G. L. 3479
Kamal, M. 1048
Kamalam Joseph 4631
Kamas, J. S. 3345
Kamau, G. M. 743
Kambhampati, I. 4018
Kamboj, R. C. 3157
Kameneva, Y. A. 1998
Kamla Singh 4651
Kammerer, M. 4038
Kamoi, M. 1162, 1195
Kampichler, C. 2527
Kampny, C. M. 1753
Kanamori, M. 1111, 1526
Kanaya, I. 107
Kandalkar, V. S. 2029
Kandeler, R. 1298
Kandou, Y. 2282
Kaneko, H. 4322
Kaneria, B. B. 2066
Kang, B. H. 1953, 3248
Kang, K. S. 2345, 2772
Kang, X. G. 919
Kangas, J. 4139
Kanjilal, S. 3359
Kanno, S. 120
Kanwar, R. S. 580, 3159, 4165
Kao, M. T. 976
Kaojarern, S. 595
Kaouadji, M. 1142
Kappler, B. F. 4980
Kaps, M. L. 2057
Kapusta, G. 308, 2008, 2013
Kapustin, S. I. 1657
Karaca, I. 4838
Karakama, K. 4886
Karaki, H. 4288
Karamfilov, T. 5145
Karan, V. 3604
Karan Singh 1918
Karanov, E. 2778
Karasina, M. F. 4713
Karavaev, V. A. 4964
Karbozova, B. E. 307
Karczmarczyk, S. J. 3193
Kareiva, P. 916
Kareiva, P. M. 4395
Kareppa, S. M. 5038
Karg, W. 147
Karikome, H. 66
Karim, F. M. 1364
Kariofillis, M. 3131
Karizumi, N. 4798
Karlen, D. L. 1086
Karlsson, C. 248
Karmakar, S. 2464, 2501
Karnosky, D. F. 2352
Karns, J. S. 3173, 4508
Károly, P. 2079
Karpenko, A. A. 1657
Karpenko, A. P. 1657
Karssen, C. M. 645, 1333, 1741, 1743, 2157, 2767
Kartal, B. 131
Kartashevich, V. N. 253
Karu, A. E. 1873, 3130
Karunaichamy, K. S. T. K. 2922
Karwasara, R. S. 2044
Kása, P. 3603
Kasahara, K. 1025
Kasai, F. 3448, 3682, 4049, 4305, 4547, 4558
Kasera, P. K. 4619
Kashin, A. G. 1309
Kasinska, M. 2473
Kaske, R. 2806
Kasole, K. E. 5038
Kasprowicz, M. 2629
Kasrawi, M. A. 2931
Kassebaum, J. W. 1573-1574
Kast, B. 2702, 4829
Kastenberg, W. E. 3596
Katagi, T. 4000
Katagiri, F. 4431
Katagiri, M. 673, 4113
Katagiri, T. 3100
Kataoka, T. 1162, 1195
Katoch, C. D. 432
Katoh, S. 2681
Katoh, T. 2704
Katranis, N. 1625
Katsanis, K. 77
Katsuyama, N. 2369
Katyal, S. K. 2047
Katz, F. 1640
Kaubmann, E. U. 201
Kauffman, B. 401
Kaufman, L. S. 80
Kauke, J. 3262
Kaul, H. P. 1185
Kaul, M. K. 3504
Kaur, G. 4551
Kaur, M. 4725
Kaushik, B. D. 5176
Kaushik, J. P. 1361
Kaveriappa, K. M. 4089
Kawabata, J. 2700
Kawabata, O. 1116, 2339
Kawai, F. 1526
Kawamura, S. 1862, 3552
Kawanabe, S. 4379
Kawano, S. 1428
Kawase, S. 120
Kawashty, S. A. 1435
Kay, M. 2900
Kay, Q. O. N. 1759
Kay, S. H. 207, 3439, 3449
Kaye, P. E. 3905
Kazinczi, G. 469, 2165
Kearney, N. S. 325
Keay, C. A. 172, 3586
Keddy, C. J. 4996
Keddy, P. A. 1772
Keebler, P. J. 3149
Keeley, P. E. 2516
Keerthisinghe, D. G. 5045
Kees, H. 2099
Keese, R. J. 142, 626, 2732
Keever, G. J. 3376
Kefeli, V. I. 5171
Keilling, J. 5084
Keith-Lucas, D. M. 2550, 2941
Keleman, J. 5102
Keller, K. E. 3659
Keller, W. A. 1132
Kellerman, T. S. 3415
Kelley, K. 717
Kelley, K. W. 5062
Kells, A. M. 4137, 4588
Kells, J. J. 289, 3306
Kelly, C. K. 4281
Kelly, J. T. 3150
Kelly, K. M. 1004, 2164
Kelly, M. J. 4226, 4667
Kelly, T. L. W. 3709
Kemmer, A. 726
Kemp, M. S. 3967
Kempen, H. M. 1588
Kempenaar, C. 4850-4851
Kempuchetty, N. 1788, 2118
Kendig, A. 4392
Kenfield, D. S. 1009
Kengen, H. M. P. 2258
Kennedy, A. C. 1024, 2278
Kennedy, E. R. 4456
Kennedy, R. A. 4766
Kennett, G. A. 2035
Kenney, M. J. 2493
Kenya, Coffee Research Foundation 2512
Kenya Coffee 2080
Keogh, J. A. 1421
Kepbanov, P. A. 489
Kephart, K. D. 1621
Kerhoas, L. 2725
Kerlan, M. C. 210
Kerr, H. D. 2032
Kerr, L. A. 4472
Kerr, R. 1411
Kerschen, J. A. 4961
Kessler, A. 1462
Kessler, J. J. 801
Kettela, E. G. 800, 4880
Kettle, B. A. 555
Kettrup, A. 4020
Keurs, W. J. ter 1312
Kevan, S. D. 1902
Kewalanand 2651
Key, A. J. 270
Key, M. 596
Keys, A. J. 4734
Keys, R. D. 442
Keys, R. N. 823
Khade, K. K. 5038
Khadija, S. 2956
Khakural, B. R. 2753, 4920
Khaladi, M. 2662
Khalaf, K. A. 2855, 2857
Khalak, A. 2480
Khalid Aftab 842
Khalil, F. 2956
Khalil, S. A. 1686, 2856, 2958
Khallida, R. 4208
Khamidov, D. Kh. 1060
Khan, A. K. 4184
Khan, A. R. 1213
Khan, A. U. 906
Khan, H. A. 3006
Khan, K. M. 957
Khan, M. 2013
Khan, M. A. 1992, 2743, 3690, 5139
Khan, M. H. 4002
Khan, S. 1992
Khan, S. M. 4737
Khan, S. U. 169, 628
Khan, Y. H. 1103
Khandelwal, A. 186
Khanizadeh, S. 4088
Khare, R. K. 3191
Kharouf, M. A. 732
Kharrat, M. 2858, 2955
Khatoon, S. 2190
Khatun Rahima 3008
Khdair, A. I. 1551
Khlobystova, O. S. 181
Khokhar, U. U. 4661
Khurana, J. P. 2132
Khurana, S. C. 2482
Khuzhamberdiev, M. 1479
Kibite, S. 3197
Kidd, K. A. 1019
Kido, A. 4471
Kieber, J. J. 1110
Kieffer, C. H. 500
Kieft, H. 1419
Kiehn, M. 20
Kiemnec, G. L. 2249
Kiepul, J. 4079
Kikkert, J. R. 3184
Kikuchi, H. 2700
Kikuchi, K. 3095
Kikuchi, M. 4297
Kim, B. B. 1867
Kim, B. T. 3692
Kim, C. J. 3248, 3714
Kim, D. 854
Kim, D. J. 3632
Kim, H. D. 2234
Kim, H. H. 1529

Kim, H. J. 86
Kim, J. C. 2359, 2376
Kim, J. S. 1538, 2365, 2389, 2604, 2791, 2794, 2835, 2897, 3208
Kim, K. H. 3058
Kim, K. J. 461, 3058
Kim, K. U. 1355, 1523, 1789, 2223, 2349, 2779, 3179-3180, 3189-3190, 4342
Kim, K. W. 2714, 3114
Kim, S. C. 1789, 2452
Kim, S. H. 4894
Kim, S. K. 839, 1690
Kim, S. T 4779
Kim, S. Y. 2223, 3179-3180
Kim, T. J. 2365, 2604, 2791, 2794, 3208
Kim, Y. H. 2234
Kim, Y. J. 2781
Kim, Y. S. 2791
Kimani, V. N. 235
Kimura, I. 1025
Kimura, K. 2443, 5049-5052
Kimura, Y. 2796
Kincaid, D. T. 3067
Kinderene, I. Yu. 3767
Kinet, J. M. 1373
King, C. A. 2163
King, D. L. 1566
King, E. 5104
King, J. 2371, 4108
King, L. D. 3309
King, L. R. 741
King, R. P. 1776, 3743, 5012
King, S. B. 4729
Kiniry, J. R. 478
Kinjo, J. 69, 362
Kinney, R. 1891
Kirby, M. F. 2558
Kircher, W. 2158
Kirchhoff, J. 137
Kirchner, L. M. 3226
Kiriinya, C. K. 487
Kirilenko, A. I. 2461
Kirilovsky, D. 1544
Kirkland, K. J. 1189, 1472, 1595, 1993, 3236, 4170
Kirknel, E. 4134
Kirksey, K. B. 1171
Kirkwood, R. C. 1118, 1962, 1965, 3229, 3614, 3934, 4114
Kirn, H. R. 1870
Kisbee, C. 816
Kishida, M. 3692
Kishun, R. 3103
Kislinskiĭ, K. N. 2010
Kita, N. 3087
Kitaeva, I. A. 124
Kitagawa, I. 69
Kitamura, E. 4471
Kitou, M. 4146
Kitt, M. J. 2409
Kittsteiner, U. 3214
Kiyosue, T. 189, 3100
Kjær, C. 1527, 3605
Kjeldsen, J. B. 4199
Klaassen, H. 1231
Klaffenbach, P. 1868, 4068
Klaić, B. 2911
Klaine, S. 414
Klapper, D. G. 540, 1674
Kleier, D. A. 1027, 1520
Kleifeld, Y. 1418, 1660, 2867, 2920, 2932, 2964
Kleijn, D. 973
Klein, A. L. 1350
Klein, E. 1892
Klein, I. 5181
Klein, R. N. 4586
Klein, T. A. 3115, 3994
Klein, W. 2325
Kleine, L. G. 4238
Kleisinger, S. 4660, 4992
Kler, D. S. 3259
Kless, H. 1539
Klimek, S. 4623
Kliment, J. 1414
Klimeš, L. 1752
Klimešová, J. 1752, 3921
Klin, B. 4893
Klingaman, T. 4753
Klingaman, T. E. 2204
Klinkhamer, P. G. L. 1802, 2160, 2540, 4352
Klockow, D. 3619
Klonsky, K. 258
Klooster, G. van't 1059
Klopfenstein, W. E. 1948
Kloppstech, K. 75, 997
Kluge, R. P. 1018
Kłys, D. 5027
Klyuev, N. A. 3555, 3617
Knack, G. 75, 997
Knaflewski, M. 772
Knake, E. L. 4752
Knevel, M. K. 801
Knežević, M. 1797, 2006, 2034, 2238
Knežević, S. Z. 2208
Kniewald, J. 3153
Knight, C. 3730
Knirsch, J. 4552
Knopp, D. 1041, 1053, 1895
Knott, C. M. 309
Knowe, S. A. 355, 5130
Knudsen, J. T. 64
Knutsson, M. 4011
Knyazev, V. N. 3556
Kobayashi, K. 1150, 2299
Kobayashi, M. 4480
Kobayashi, R. 3032
Kobayashi, T. 4489
Koblet, W. 3344
Koç, A. 4636
Koc, N. K. 4838
Koch, H. 4972
Koch, M. 915, 4351
Koch, W. 437, 893-894
Kochany, J. 1026
Kochev, K. K. 2573
Köck, M. 2364
Kock, T. 3243
Kočová, M. 4719
Koda, S. 1163
Kodama, O. 4569
Koech, N. K. 2525
Koehler, P. E. 1535
Koen, T. B. 1669
Koevoets, P. L. M. 1829
Kogan, M. 2986
Kogevinas, M. 3151
Kohama, A. 1058
Köhler, K. H. 4331
Köhler, W. 659
Kohli, R. K. 1259, 2546, 3848
Kohno, H. 3693, 4453, 4563
Kohout, V. 2242, 2407
Koide, R. T. 1381, 4358
Koizumi, K. 1030
Koizumi, S. 2796
Kojima, M. 4476
Kok, C. J. 851
Kok, L. T. 420, 947, 1021, 2653
Kolář, V. 128
Kolar, V. 1878
Kolbek, J. 1675
Kolesnikov, V. A. 2483
Koli, B. D. 5039
Koll, P. 1278
Kollman, W. 3130
Kollmann, J. 5057
Kollmann, R. 2954, 2984
Kolo, M. G. M. 2007
Kolohon, M. 164
Kolomatchenko, N. P. 1653
Kolpak, V. Z. 3648
Kolupaev, M. V. 1554
Kolupayeva, V. N. 4026
Komamine, A. 536
Komarova, V. P. 2360
Komatsuzaki, M. 2424, 4334
Komeda, Y. 4835
Kömives, T. 1930, 3218
Konaté, A. 1281, 1284
Kondap, S. M. 2046
Kondo, H. 1162
Kondo, N. 3196
Kondo, R. 4489
Konečný, I. 2075
Konnai, M. 1562, 1955, 2935, 5047
Konno, S. 3552
Konopka, S. 3906
Konoplya, N. I. 1603, 3777
Konrád, V. 4900
Konstantinov, P. F. 753
Kooij, R. van 4891
Kooij, T. A. W. van der 2271
Kooner, K. S. 3316
Koopman, D. J. 4201
Koppitz, H. 1826
Kord, M. 3676
Kordash, T. R. 4264
Kördel, W. 2325
Korhammer, S. A. 1114
Kormann, K. 2595
Körmendi, S. 844
Kornet, M. J. 2292
Korovina, L. M. 1998
Korva, J. 728
Korytnik, V. N. 1994
Kosinski, W. G. 4888
Koskinen, W. C. 178, 288, 1079, 1089, 2328, 2753, 3565, 4920
Kosolapov, S. N. 3791
Kossut, E. 1134
Košťál, Z. 2073
Köster, J. 201
Kostowska, B. 143-144, 2309-2310, 3592, 3706, 4079, 4462, 4482
Kostyuk, A. V. 753
Kotake, M. 2752
Kotkat, H. M. 1531
Kotoky, B. 1918
Kotoula-Syka, E. 4181, 4236
Kotru, R. 2025
Kotsaki-Kovatsi, V. P. 4262
Kötzsch, I. 4285
Koudokpon, V. 251
Koul, A. K. 1849, 2179
Koul, P. 2179
Koumpli-Sovantzi, L. 4299
Koura, S. 1162, 1195, 2369
Koury, R. 1674
Kouwenhoven, J. K. 2408
Kouzmanova, I. 2891
Kouznetsov, V. V. 3648
Kovačičová, J. 2733
Kovacs, M. F., Jr. 1038
Kovatsis, A. 4262
Kowalczewski, A. 1307
Kowite, W. J. 1160
Koyama, H. 3490
Koyama, J. 3532
Kozaczenko, H. 2473
Kozák, J. 2291
Koziara, W. 4216
Kozłowska, T. 297
Kozub, G. C. 277
Kozyreva, L. P. 2759
Krabel, D. 2556, 3864
Kracko, K. M. 1311
Kraevskiĭ, A. N. 1657
Kraft, P. 1096
Krähmer, H. 1154
Krahulec, F. 412, 1701
Kramer, K. 2294
Kranz, A. 1278
Krapac, I. G. 4875
Krassoi, F. R. 4059
Kratochvílová, H. 652
Kraus, R. 3859
Kraus, T. E. 675, 4115
Krause, A. 910
Krausz, R. 308
Krausz, R. F. 2013
Kraütler, O. 4012
Kravchenko, V. N. 3802
Krebs, H. 547
Kreft, L. 4945
Kreh, R. E. 193
Kreikenbohm, G. 1102
Kreissig, S. B. 1042
Kreiter, S. 3814-3815
Kremer, R. J. 108, 902, 3923
Kren, J. 1989
Krenz, J. 4090
Krenzer, E. G. Jr. 730
Kress, W. 3249, 4986
Kretsch, J. 717
Kreuger, J. 3594
Kreutzweiser, D. P. 609, 1067, 4051, 4901, 4913
Kreuz, E. 2420-2421
Kreuz, K. 230
Krężel, R. 3769
Krijt, J. 1482
Krishana Mohan 2478
Krishna Murty, G. V. G. 2801, 2963, 2967, 5159
Krishnamurthy, B. 653
Krishnamurthy, K. 2014, 3321, 3417, 3799
Krishnamurthy, K. V. 1363
Krishnapillai, V. 523
Krishnappa, K. S. 2481, 3322
Krishnasamy, S. M. 2028
Kristensen, H. 3754
Kristensen, J. L. 1155, 1157
Krivoruchko, G. I. 783
Krizmanić, M. 2061
Kroczyńska, H. 4230
Krokhalev, A. K. 2089
Kroon, H. de 1769
Kropff, M. J. 944, 3931, 3936
Kroschel, J. 2854, 2919, 4732-4733
Krueger, W. A. 1171
Kruk, M. 1312
Krumrych, W. 2741
Krzyszowska, A. J. 113
Ksander, G. G. 3869
Ksander, G. S. 415
Księżak, J. 2463
Ku, Y. C. 1374, 1406
Kuang, A. 4337
Kubareva, O. G. 3723
Kubiak, R. 3172, 3616
Kück, P. 4378, 4536
Kudryavtseva, A. N. 1803
Kudsk, P. 859, 1157, 1571, 3688, 3700, 3711, 3744, 3843, 3965, 4918
Kühbauch, W. 2654
Kuhlmann, B. 3667, 4937
Kuhlmann, M. 625
Kühneverté 1890
Kuhns, L. J. 3388-3389, 3391
Kuijpers, L. A. M. 5003
Kuijt, J. 391, 1679, 2925, 4275
Kuiper, E. 3003
Kuiper, P. J. C. 2271
Kuk, Y. I. 2445-2446
Kükenhöhner, T. 4455
Kukkonen, I. 991
Kulikova, A. Kh. 3521
Kulshreshtha, K. 372
Kulshrestha, G. 3665, 4473
Kumar, A. 2440, 5176
Kumar, B. V. 2053, 3354-3355
Kumar, J. 1534, 4117
Kumar, K. G. A. 1714
Kumar, R. M. 2046
Kumar, R. V. 3781
Kumar, S. 773, 2044, 3455
Kumar, T. S. 1363
Kumar, V. 2083
Kumar R. 3005
Kumaraswamy, A. S. 2480
Kumbhakar, A. 3286
Kunak, V. D. 2076
Kundra, H. C. 2041
Kundu, D. K. 710
Kuniata, L. S. 5144
Kunisch, M. 893-894
Kunitsky, K. J. 4961
Kunkaliker, S. 3537
Kunkel, B. 4429
Kuo, M. C. 1674
Kuo, M. L. 157
Kuo, Y. H. 4833
Kuoh, C. S. 1698
Kupatt, C. C. 4319
Kuramochi, H. 5047
Kurbanov, D. 3478
Kurchania, S. P. 727, 3064-3065, 3191, 3264, 3310, 3315, 4233
Kurczych, S. 4100

Kurdiker, C. B. 3319
Kurdikeri, G. B. 1852
Kurilovich, V. V. 738
Kuriyama, A. 1111, 1526
Kurmi, K. 3296
Kuroiwa, H. 1428
Kuroiwa, T. 1428
Kurowska, A. 841
Kusanagi, T. 3182, 4639, 4766
Kusek, C. 1640
Küsek, M. 4838
Kusiorska, K. 294
Kutcher, G. 2090
Kutschka, U. 1136
Kuva, M. A. 4330
Kuwatsuka, S. 4910
Kuzin, A. A. 3022
Kvien, C. K. 1535, 1646
Kwesiga, F. 345
Kwesiga, F. R. 345
Kwiatkowski, J. 646, 4091
Kwok, S. F. 1499
Kwon, C. S. 1512, 3237
Kwon, O. D. 2833
Kwon, S. L. 2782
Kwon, S. T. 1355
Kwon, S. W. 2359, 2376
Kwon, T. J. 4647
Kwon, Y. W. 1562, 1953
Kyotani, S. 1894
Kyouda, M. 110
Kyung, K. S. 2745
La Valva, V. 2613
Labbé, H. 2371
Labbe, P. 3212
Labrada, R. 2968, 4152-4153
Labuda, S. 3206
Labuschagne, N. 485
Laca-Buendia, J. P. 3011
Lacava, P. M. 4061
Lacey, E. P. 513
Lacey, J. R. 2035, 3300, 3899
Lacey, M. E. 379
Lachnit, B. 3071
Lacoste, A. 30
Lacroute, F. 78
Ladan, S. S. 1980
Ladha, J. K. 470, 1174, 2645
Lados, M. 5162
Ladygina, O. N. 2360
Lærke, P. E. 4546
Lafleuriel, J. 529
Lafond, G. P. 47
Lafrance, P. 4865, 4919
Lagadic, L. 3610, 4495
Lagana, A. 2724
Lagerwerf, F. M. 3568
Lagoke, S. T. O. 4384, 4731
Lahloub, M. F. 4276
Lai, M. S. 4007, 4082
Laitinen, P. 1486
Laity, J. 3729
Lake, B. G. 4491
Lakpale, R. 4204
Lal, M. M. 3044
Lal, R. J. 2890
Lal, S. S. 4651
Lalonde, R. G. 1013
Laloue, M. 76
Lam, C. H. 1227
Lamade, E. 30
Lamaison, J. L. 517
Lamar, R. T. 3171
Lambers, H. 4786
Lambert, F. 2347
Lambert, M. 3172
Lambert, S. D. 1493
Lambin, J. 5017
Lamont, B. B. 3955
Lamont, E. E. 3067
Lamont, J. V. 1874-1875
Lamoreaux, R. J. 425, 577, 583
Lanaras, T. 1977
Lanças, F. M. 4009
Lancashire, P. D. 1731
Landa, I. 3509
Landes, M. 330
Landhäusser, S. M. 4789
Landis, D. A. 289
Landivar, J. A. 3677
Landolt, E. 871, 2575, 2608
Landry, B. S. 663
Lane, A. 4757
Lane, A. M. 6
Lane, J. A. 2127, 3001, 3429, 5161
Lane, P. 968
Lång, V. 188, 4836
Lang, W. 1557
Lange, A. 717
Lange, J. 2302
Langeland, K. A. 423
Langenakens, J. 691
Langley, D. 1856
Lanham, D. J. 1721
Lanie, A. J. 2036
Lanini, W. T. 1638, 2411
Lankester, M. W. 3367
Lankroo, G. M. 774
Lanszki, I. 3736
Lanszki, J. 844
Lantz, S. E. 2303
Lanza, J. 3975
Lapelé, L. 4772
Lapin'sh, D. K. 3756
Lappin-Scott, H. M. 4518
Lara Z., M. L. 4979
Lara Zayas, M. L. 4979
Larcher, W. 1710
Larney, F. O. 277
Laroche, F. B. 423
Laroche, J. 3528
Larrinua, I. M. 2374
Larsen, G. L. 600
Larson, L. L. 2250
Larson, S. J. 4463
Larsson, M. 3634
Larsson, S. 3256
Lascéve, G. 3973
Laslett, R. E. 1471
Lass, L. W. 2603
Lasserre, D. 5020
Last, D. I. 211
Lathrop, R. C. 1306, 2142
Latiff, A. 3030
Latowski, K. 2632
Laub, C. 257
Lauenroth, W. K. 962
Lauer, D. K. 350
Launders, T. 4723
Lauren, D. R. 3559, 4028
Lautenschlager, R. A. 3364, 3367-3370
Laux, T. 907
Laval-Martin, D. 3210
Lavee, S. 5181
Laverrière, P. H. 3275
Lavorel, S. 948
Lavy, T. L. 1050, 1453, 1612, 2330, 3140, 3144
Law, R. 4782
Law, R. J. 1471
Lawrence, P. A. 270
Lawruk, T. S. 1877
Lawson, H. M. 204, 265-266, 694
Lawson, V. F. 1631
Lawton, R. 3590
Lay, V. J. 4128
Lazauskas, P. 3763
Lazzeri, P. A. 460
Le, Y. Q. 4740
Le Bourgeois, T. 2153, 3887, 3956, 4852
Le Coq, C. 3528
Le Deunff, Y. 434
Le Huu Hieu 3603
Le Menn, V. 3814
Le Strange, M. 1638
Lea, P. J. 662
Leach, G. E. 4114
Leah, J. M. 3220, 4094
Leake, C. R. 3608, 3623, 3890
Lean, D. R. S. 3018
Leather, G. R. 1444, 1921
Leaver, C. J. 4825
Lebedev, V. P. 3502, 3507
Lebedinskĭi, I. V. 3809
Leblanc, M. L. 5015, 5035
Lebreton, J. D. 948
Lebuhn, G. 2104
Lechner, M. von 1996
Lechowicz, M. J. 3920
Lecjaksová, S. 1675
Leck, M. A. 878
Ledoigt, G. 2267, 3978
Lee, A. S. 4869
Lee, C. K. 1927, 5168
Lee, C. N. 1523
Lee, C. S. 3128
Lee, C. W. 2597
Lee, D. J. 3230
Lee, E. J. 3055
Lee, E. W. 2031, 2442
Lee, G. B. 3981
Lee, H. G. 2448, 2834
Lee, H. J. 61, 1939, 2793
Lee, H. J 4501
Lee, H. K. 1397, 2015-2016, 2577, 2839, 3017, 3055, 3189-3190
Lee, H. S. 2031, 2442, 3174, 3248
Lee, I. J. 1523
Lee, I. K. 3248
Lee, I. Y. 1397, 2448, 2839, 3055, 3189-3190
Lee, J. 995
Lee, J. H. 2597
Lee, J. J. 2771
Lee, J. K. 2745
Lee, J. L. 1521
Lee, J. O. 1397, 1949, 2015-2016, 2448, 2577, 2834, 2839, 3017, 3055, 3189-3190
Lee, K. H. 3248
Lee, K. M. 3174
Lee, K. S. 4894
Lee, R. D. 4394
Lee, S. A. 4154
Lee, S. C. 2223, 3179-3180
Lee, S. H. 4894
Lee, S. J. 598, 1355
Lee, S. K. 2031, 2442
Lee, S. Y. 1384, 1521
Lee, Y. 61
Lee, Y. K. 1649
Lee, Y. M. 2690
Leeds-Harrison, P. B. 3635
Leela, D. 2410, 4541, 4604, 4606
Leena, K. R. 1713
Leep, K. J. 4856
Leeson, S. 3434
Leest, A. S. van 4441
Lefkovitch, L. P. 1472, 1595, 2413
Legáth, J. 4900
Légère, A. 2155
Legg, D. E. 2203, 3054
Lehman, P. S. 4278
Lehner, S. 20
Lehoczki, E. 2373, 3081, 3209
Lehtilä, K. 4728
Lei, B. 1501
Leidy, R. B. 2757
Leigh, J. H. 3498
Leistra, M. 4874
Lejeune, K. R. 2202
Lekavič, A. 4772
Lema, M. J. 2196
LeMasters, G. S. 2302
Lembrich, H. 2414
Lemiere, J. P. 4988
Lemieux, B. 2701
Lemieux, C. 3136
Lemieux, G. H. 4390
Lencse, R. J. 788-789
Lenka, M. 929
Lenka, P. C. 1642
Lennartz, B. 617, 624, 1088, 1915, 3639, 3641
Lenteren, J. C. van 5190
Leo, P. de 70
León, R. P. de 3410
León P., R. 4979
León Pérez, R. 4979
Leonard, E. N. 4053
Leonardis, A. de 767
LePage, P. 805
Lepart, J. 948, 1297
Lepík, M. 643
Lepore, A. R. 156
Lepp, N. W. 2236-2237
Leps, J. 412
Lepschy, J. 3656
Lepschy-von Gleissenthall, J. 1044
Lerch, R. N. 1866
Leroux, G. D. 55, 1147, 1186, 1598, 2205, 5035, 5082
Lersten, N. R. 3080
Les, D. H. 1706
Leschinsky, K. L. 2280
Leslie, D. M., Jr. 4060
Lešnik, M. 4533
Lester, J. N. 1465, 1864
Leto, K. J. 1133
Leubner-Metzger, G. 373
Leuenberger, J. 3168
Leung, J. W. 822
Leustek, T. 525, 535
Lev, L. S. 1178
Lev-Yadun, S. 4819
Levanon, D. 1099, 4447
Levene, B. C. 2775, 4950
Lévesque, C. A. 2318
Levett, M. P. 3328
Levkut, M. 4900
Levsen, K. 3564
Lew, R. R. 512
Lewald, J. 4430
Lewandowska, A. 4513
Lewandowski, D. 294
Lewis, B. G. 3041
Lewis, F. J. 3607
Lewis, J. 1718
Lewis, J. P. 486
Lewis, K. J. 3607
Lewis, M. A. 3435
Lewis, R. G. 590, 4590
Leys, A. 1209
Li, B. 1336
Li, B. L. 4578
Li, D. P. 1074
Li, L. 4370
Li, L. C. 2354
Li, L. F. 4370
Li, M. 3063
Li, P. 4370
Li, P. H. 3204
Li, S. R. 4578
Li, W. X. 1100
Li, Y. 644
Li, Y. H. 4597
Li, Z. Y. 1761
Liang, Q. N. 1608
Liang, X. M. 1068
Liang, Y. F. 4914
Liao, G. I. 1698
Liapis, K. 1466
Liau, S. S. 1273-1274
Libbey, C. 3811
Liber, K. 4907
Liberal, E. G. 268
Liccardi, G. 4263-4264
Lichtenthaler, H. K. 1947
Lichtner, F. T. 4549
Lickfett, T. 1102
Lieberei, R. 899
Liebl, R. A. 1517
Liebman, M. 1586-1587, 2829
Lieffers, V. J. 4789
Liepa, A. J. 1028
Liesivuori, J. 4139
Lightfield, A. R. 4023
Ligneau, L. A. M. 3465
Lijsebettens, M. van 527
Lim, J. K. 1227
Lima, A. A. de 4692
Lima, J. B. L. 742
Limbach, W. E. 3900
Lin, B. L. 85
Lin, J. K. 157
Lin, L. J. 4713
Lin, T. H. 1873
Lin, Y. L. 4833
Lin, Y. R. 4344
Lin, Y. Y. 102
Lin-Shiau, S. Y. 4493
Linden, A. M. A. van der 2746
Linder, C. 3344
Linder, C. R. 960
Linders, J. B. H. J. 2746

Lindquist, J. L. 4381-4382
Lindwall, C. W. 277, 3137
Lingaraju, B. S. 2882, 3319
Lingeman, H. 3568
Linhart, Y. B. 10
Link, H. 4660, 4992
Link, S. O. 4783
Linke, K. H. 761, 1684, 2859, 2975
Linkerhägner, M. 4867
Linz, D. H. 3149
Liochev, S. I. 4494, 4958
Lippincott, R. L. 4018
Lippuner, V. 538
Lisa, V. 1010
Lisansky, S. G. 4999
Lisci, M. 913
Liscum, E. 9
Lisowski, S 2607
Litsinger, J. A. 748
Little, K. 4694
Little, K. M. 4360
Little, S. H. 2274
Littlefield, T. A. 3357
Littorin, M. 3151
Litvinov, P. I. 780
Lityńska-Zając, M. 2627
Liu, D. 2268
Liu, D. L. Y. 3021
Liu, H. D. 4658
Liu, L. C. 1218, 1232
Liu, M. C. 1723
Liu, S. C. 4344
Liu, S. H. 736, 1577, 3188, 4545
Liu, S. P. 4624
Liu, W. 1909
Liu, W. P. 2750
Liu, X. M. 3433
Liu, Y. 4266
Liu, Z. B. 644
Liu, Z. J. 3621
Livingston, G. K. 3149
Ljubešić, N. 4885
Lloyd, A. M. 3101
Lloyd, D. L. 756
Lobefalo, G. 4263-4264
Lochmiller, R. L. 4060
Locke, D. 3677
Locke, K. 13
Locke, M. A. 168, 568, 1084, 1913, 2751, 4917
Lockey, J. E. 3149
Lode, O. 579, 1094-1097, 2306
Loeffler, R. T. 4544
Loeppky, H. A. 47, 1650
Logan, D. C. 1272, 4730
Logusch, E. W. 4041
Loh, C. L. 1039
Lois, R. 1845, 3082
Loiseau, J. 434
Lokker, C. 1707, 4333
Lolas, P. C. 2514, 5103
Lolos, P. 1912
Lomas, A. 2230
Lomer, C. J. 4307
Londonkar, R. L. 1687
Long, C. E. 4693
Longauerová, J. 4450, 4628, 4750
Longden, P. 2070
Lonsdale, W. M. 6, 371, 1412, 2108, 3998, 4261
Loper, J. C. 3199
Lopes, C. A. 3982
Lopes, N. F. 4620, 4754, 4960
Lopez, A. 3549
Lopez, A. C. 1762
López, C. 2252, 2252
López, R. G. 3276
Lopez-Avila, V. 4465
López Cosme, E. 2582
López-Granados, F. 1643, 1684, 2549, 2853, 2972
López Mosquera, M. E. 2581
López-Sáez, J. A. 1680, 2924
López García, M. C. 2582
Lops, F. 811
Lord, E. M. 11
Lorence, D. H. 3040
Lorenzi, J. O. 4652
Lorenzo, C. de 1138
Lorenzo, E. 2307, 2405, 4515
Lorenzoni, G. G. 5009
Lorgue, G. 3401
Lorković, Z. 4885
Lortz, D. A. 342
Lörz, H. 460
Lösch, R. 933
Loskutov, I. 15
Losner, D. 2551
Losner-Goshen, D. 1685, 2932, 2950-2951
Losvik, M. H. 488
Lotz, L. A. P. 3931, 3936
Lou, H. X. 1608
Lou, Y. L. 292
Louda, S. M. 1392
Loudyi, M. C. 3957
Louette, D. 473
Louter, A. J. H. 4868
Loux, M. M. 2655
Love, S. L. 3929
Lovett-Doust, J. 1707
Lovett Doust, J. 2564, 2574, 4303
Lovett-Doust, L. 1707
Lovett Doust, L. 2564, 4303
Lovillo, J. 4024
Low, K. S. 5168
Lowday, J. E. 1249
Lowe, K. F. 756
Lownds, N. K. 3187
Loyola-Vargas, V. M. 1433
Lozano, R. B. 161
Lu, M. C. 1861
Lu, S. 3284
Lu, S. T. 797
Lu, Y. K. 4827
Lu, Y. R. 3977
Lu, Z. B. 3311
Lubigan, R. T. 905
Lucas, A. D. 3130, 4022
Lucas, E. O. 2425
Lucas Bueno, C. de 2200, 4794
Lucchese, F. 2610
Lucero, D. 5132
Lucey, J. 3450
Luciani, F. 4138
Luck, K. 988
Ludwig-Müller, J. 4538
Luempert, L. G., III 1899
Lueschen, W. E. 289, 2328
Lugo, M. L. de 943
Lui, A. P. 2544
Lui, G. C. 1716
Luisetti, M. 158
Luken, J. O. 814
Lum, K. R. 3136
Lumer, C. 3468
Lummerzheim, M. 3922
Lumpkin, T. A. 4649
Lumsden, R. D. 3456
Luna, J. 257
Lunchick, C. 4997
Lund-Høie, K. 3839
Lundegårdh, B. 1310, 1957
Lundholm, A. K. 3526
Lundholm, J. T. 1396
Lundkvist, A. 1954
Lundqvist, A. 920, 1436
Lunsford, J. N. 4691
Lunskaya, I. M. 1878
Luo, X. X. 4898
Luo, Y. L. 860
Lupaş, A. 687
Lupu, C. 3819
Lupu, G. 3819
Luque, A. G. 4940
Lusby, W. R. 1487
Lüscher, M. 1847
Łuszczyński, J. 2629
Lutman, P. J. W. 42
Luttikholt, L. 2831
Lutz, R. S. 1727
Lutzeyer, H. J. 437, 2854
Lybecker, D. W. 2432, 3743
Lydiate, D. J. 3041
Lydy, M. J. 4909
Lyga, J. W. 1452
Lyly, O. 4246
Lym, R. G. 384, 2457, 2909, 3853
Lynch, D. R. 312, 5078
Lynch, M. R. 241
Lynch, P. T. 4942
Lynch, R. E. 605
Lyons, R. E. 1372
Lyons, T. B. 755
Lysenko, A. K. 1656
Ma, L. 2754, 4463
Ma, L. W. 1085
Ma, X. D. 4173
Maareg, M. F. 2506
Maas, G. 4067
Mabbayad, M. O. 4193, 4853
Mabbett, T. 690, 3299
Mabry, T. 3035, 3474
Mabry, T. J. 1843
Mabuchi, T. 3692
Mabury, S. A. 4872
Macadam, J. 4723
McAdam, J. H. 970
McAlister, F. M. 2684
McArdle, F. A. 130
McAvoy, T. J. 420
McBeath, J. H. 521
McCaffrey, J. P. 845, 2455
McCall, P. J. 1120
McCarthy, T. S. 3437
McCartney, H. A. 379
McCarty, L. B. 914, 1243, 3357, 3452, 4103
McCauley, D. E. 2640
McChesney, M. M. 4915
Macchia, M. 467, 897, 1919
McClanahan, R. H. 4041
McClary, D. C. 4649
McClay, A. S. 5148
McClelland, L. R. 3126
McClelland, M. 1080, 4180
McClung, G. 3173, 4929
McConkey, B. J. 1295
McConnaughay, K. D. M. 925
McConnell, R. 4590
McConnell, R. I. 1875
McConway, K. 4799
McCormack, M. L., Jr. 339
McCormick, L. H. 3388
McCoy, E. L. 1091, 4388
McCully, K. V. 2462, 4399
McCully, W. G. 815
McDavid, C. R. 945
McDermott, J. B. 360
McDonald, A. J. S. 59
McDonald, D. 4759
Macdonald, G. E. 1725, 1979
MacDonald, L. 1070, 1075
MacDonald, L. M. 1454
McDonald, R. C. 1019
Macdonald, R. L. 1511
McDonough, S. P. 387
McDougall, J. 3245
McDougall, L. 4136
McDougall, R. B. 2784
Macê Beltrão, N. E. de 2201
Macedo, J. F. 2672, 3011
Macêdo Beltrão, N. E. de 3834
Maček, J. 3759, 3764, 4533
Maceljski, M. 3738
McElroy, D. 211
McEvoy, P. B. 1266, 2534
McFadyen, R. E. C. 1440
McFarland, J. E. 4550, 4580
McFarlane, C. 192
McGee, K. P. 364
McGhee, I. 4932
McGillivray, L. 164
McGovern, R. J. 2275
McGrath, J. M. 24-25
Macgregor, A. N. 175
Machado-Neto, J. G. 4502
Machankova, T. A. 2461
Macharia, C. 3059
Machera, K. 1897
McHughen, A. 2786, 3198
Machul, M. 284
Maci, R. 2314
Macías, F. A. 2340
McInnes, K. J. 1144
McInnis, M. L. 1824, 2249
McIntosh, L. 1539
Maciorowski, R. 4952
MacIsaac, S. A. 2912
Mack, R. E. 1568
Mack, R. N. 2105
Mackay, D. 629, 3583
McKay, R. T. 3149
Mackay, S. 3215
Mackay, T. J. 4249
McKee, K. L. 5167
Mackender, T. O. 1543
McKenry, M. 717
MacKenzie, B. 4492
McKenzie, D. 3731
Mackenzie, E. A. 3566
McKenzie, K. D. 3126
MacKenzie, S. L. 3976
McKersie, B. D. 4115
McKey, D. 2662
Mackie-Dawson, L. A. 344
McKinlay, R. G. 3060
MacKinnon, D. S. 1906
McLachlan, S. M. 3052
Mclean, H. 2362
McLean, K. S. 544
McLellan, A. J. 4782
McLeod, M. 2594
McMahon, C. K. 802
McMichael, B. L. 370, 2106, 3399
McMorris, C. J. 1874
McMullan, G. 1105
McMullan, P. M. 942, 1165, 1216, 1555, 1960, 3269
McMurry, S. T. 4060
McNally, M. E. 2719
McNevin, J. 2701
McPhee, G. 1816
McPherson, E. 930
McQueen, K. L. 2274
MacRobbie, E. A. C. 3674-3675
McRoberts, N. 3060
MacTavish, D. C. 3127, 3166
McWhorter, C. G. 4416
Maddy, K. T. 4590
Madeira, V. M. C. 1064
Maden, S. 3023
Madeyska, E. 2628
Madhusoodanan, P. V. 1713-1714
Madrid, L. 4528
Madsen, E. 3824
Madsen, J. D. 1315
Madsen, K. H. 3745, 4235, 4962
Madsen, P. 3928
Madsen, T. V. 3876
Maenza-Gmelch, T. E. 1705
Magara, Y. 3661
Magloire, L. 4136
Magnani, C. 156
Magnani, D. 3314
Magnifico, V. 5068
Magnus, V. 2911
Mah, L. S. 3056
Mahadevan, A. 1496
Mahadevan, S. 4280
Mahadevaswamy, M. 2067
Mahadkar, U. V. 2881
Mahalle, S. S. 3278
Maheshwari, D. K. 186
Maheshwari, S. C. 2132
Maheswarappa, H. P. 4213
Mahey, R. K. 1246, 3383
Mahieu, P. 2312
Mahindra, A. 4087
Mahmood, T. 1230
Mahn, E. G. 1006
Mahn, M. G. 463
Mahnken, G. E. 2757
Mahnken, G. W. 2434, 2824
Mahoney, M. D. 4452
Maibach, H. I. 1477
Maidl, F. X. 1044, 3656, 4922
Maier, A. 1947
Maier, C. G. A. 4832
Maier, E. A. 2284
Maier, R. S. 4507
Maigret, P. 3152
Maillet, J. 1402-1403
Maimoni-Rodella, R. C. S. 1349, 3469

Main, D. S. 3614
Maiti, R. G. 2526
Maixner, M. 3985
Majchrowicz, I. 3602
Majda, J. 4807-4809
Majeed, K. 2705
Majek, B. A. 2660
Majek, B. D. 1599
Majewski, M. S. 4915
Majid, F. Z. 3006, 3008
Makaroff, C. A. 3968
Makarova, R. V. 5171
Makeev, A. M. 585
Makhail, G. M. 2084
Maki, T. 122
Makkouk, K. 879
Makovcová, Š. 1262
Makovetskiĭ, K. A. 637
Makowski, R. M. D. 4849
Makus, D. J. 1219
Makwana, M. G. 3361
Malavia, D. D. 2518
Małecka, I. 4124
Malecki, R. A. 420
Malek, A. 2536
Malek, M. A. 2804
Malena, C. 254
Malhotra, R. S. 212
Mali, Institut du Sahel 1322
Mali, Unité de Coordination Technique Régionale en Protection des Végétaux 4314
Malienko, A. M. 1994
Malik, B. A. 2862
Malik, N. 2456, 4567
Malik, R. K. 735, 1990, 2045, 2504, 2815, 2817, 2820, 3263, 3346, 3683, 3964, 4616
Malik, Y. S. 3964
Malik, Z. H. 2665
Maliwal, P. L. 2064, 2484
Malkin, R. 531
Malkin, S. 1539
Malkomes, H. P. 183-184, 187
Mallegni, C. 752
Mallick, U. C. 1360
Mallik, A. U. 818
Mallik, M. A. B. 1920
Malloch, A. J. C. 2659
Mallory-Smith, C. A. 58, 1415, 1813, 2603, 2685
Malook, S. T. 957
Mamadiev, M. 1479
Mamushina, N. S. 2270
Manara, N. T. F. 305
Manara, W. 305
Mandal, B. K. 252
Mandal, N. N. 3255
Mandal, N. R. 1359
Mandal, S. 2557, 4339
Mandam, A. R. 2526
Maneechote, C. 1145
Manen, J. F. 27
Maness, E. P. 2776
Mangiapan, S. 3562
Mangnus, E. M. 2921, 2928
Mani, L. S. 2519
Manickam, G. 3453
Manisha Bhattacharyya 2139
Manisha Gupta 3447
Manjunath, A. N. 1961
Manna, G. B. 1614, 2017
Manna, T. K. 4736
Manners, G. D. 1261, 3850, 5147
Manninen, A. 4139
Mannion, A. M. 667
Mano, J. 2796
Manoj Mathew 3717
Manos, G. 4078
Manpreet Kaur 4725
Mans, C. C. 782
Mansager, E. R. 1112
Mansfield, T. A. 509, 4826
Mansingh, A. 4596
Mansor, M. 4188
Mansour, A. 1335
Mansour, S. A. 1474
Mäntylä, E. 4836
Mao, J. 1038
Mapes, J. P. 3126
Maqueda, C. 4528
Marcano A., J. J. 3276
Marchese, M. 1981
Marchese, S. 4013
Marchesini, A. 1488
Marchetti, R. 1470
Marchezan, E. 3907
Marcinski, M. 1563
Marco, S. di 2773
Marcone, C. 2780
Marcotte, R. 5015
Marczewski, K. 3828
Marena, C. 1470
Marenco, R. A. 4960
Margolis, H. 4946, 4959
Margulies, L. 1910
Marhold, K. 1370
Mariani, P. 1710
Mariano, A. 5112
Mariappan, C. 4282
Mariko, S. 3046
Marimuthu, T. 837
Marin, M. 1898
Marini, M. 3652
Marini, M. G. 158
Marino, A. 2724
Marion, W. R. 337
Markham, K. R. 4829
Markin, G. P. 2109
Marković, A. 2621
Marks, J. G., Jr. 2738
Marks, M. D. 537
Märländer, B. 2068
Marle, M. 2051
Marnotte, P. 2153, 3887
Marocchi, G. 1853
Marohasy, J. 3400
Marois, J. 2411
Maroni, M. 4036
Marquardt, P. E. 3685
Marquez, R. L. 380
Marquis-Verjux, N. 5126
Marroni, M. G. 1607
Marrs, R. H. 1249, 1672, 2537, 3407
Marrs, T. C. 589
Marshall, D. L. 364
Marshall, E. J. P. 1250, 1750, 4801
Marshall, G. 3934, 4114
Marshall, J. D. 5158
Marshall, L. E. 5063
Marsilii, E. 2795, 4008
Marsilii, E. L. 4856
Martakov, G. M. 2077
Martin, A. 2960
Martin, A. R. 2434, 4397
Martin, B. 3587
Martin, B. B. 423
Martin, C. E. 3933
Martin, D. F. 423
Martin, F. N. 3109
Martin, G. 1840
Martin, M. L. 4906
Martin, P. A. 3436
Martin, R. B. 2283
Martinetti, L. 3672, 3696
Martinez, B. P. 2724
Martínez, L. 1869
Martinez, M. J. A. 2101
Martínez Cortizas, A. 2247
Martínez Galera, M. 3580
Martínez-Ghersa, M. A. 3077
Martínez-Laborde, J. B. 2189, 4775
Martínez López, F. 2487, 2494
Martínez-Lozano, C. 4871
Martínez Parras, J. M. 3944
Martinez-Toledo, M. V. 1498
Martínez Vidal, J. L. 3580
Martínez-Zapater, J. M. 2605
Martini, A. 359
Martinková, Z. 3894
Martoyo 4458
Marty, J. L. 4467
Martynovitch, N. N. 4119
Maru, S. 177
Maruta, E. 48
Maruta, Y. 4721
Maruyama, A. 3901, 4417
Marwah, J. B. 4304
Marzi, V. 5068
Marzolo, L. 3464
Masalles, R. M. 911, 2173, 2246, 4338
Masaoka, T. 1481
Masaphy, S. 4447
Mascini, M. 125
Masclet, P. 2297
Mascolo, G. 3549
Mashaly, I. A. 3940
Masis, C. E. 91
Masiunas, J. B. 4659
Maskill, C. 4035
Masle, J. 3535
Mason, B. L. 335
Mason, D. H. 403
Mason, D. J. 623, 3635, 3645
Mason, E. G. 347
Mason, G. F. 1198
Mason, J. R. 1473
Mason, R. P. 1063
Mason, W. L. 338
Masse, L. 628
Massey, J. H. 2330, 3140
Massey, S. S. 2280
Massucci, M. 2614
Masters, R. A. 1616, 3405, 5055
Masthan, S. C. 747
Masucci, J. D. 3101
Masuda, M. 503
Masuda, T. 3972
Mata, J. 5125
Matallo, M. B. 2293
Matheson, V. G. 4936
Mathew, M. 3717
Mathews, S. 83
Mathias, K. 4713
Mathiassen, S. K. 859, 1157, 1571, 3700, 3711, 3843, 3965
Mathis, D. 1890
Mathur, R. L. 1692
Mathys, W. 2300
Matienzo, M. T. 2308
Matile, P. 520
Matin, M. A. 2804
Matocha, J. E. 686
Matringe, M. 671, 3212
Matsumoto, H. 1200, 1541, 2344, 3230, 3673
Matsunaga, A. K. 4014
Matsunaga, S. 2796
Matsunaka, S. 176
Matsuoka, T. 1464
Matthews, G. A. 1170
Matthews, J. L. 308, 2013
Matthews, S. W. 4337
Matthies, D. 3427
Matthies, M. 192
Matthiessen, P. 4071
Mattice, J. D. 1050, 1612, 3144
Mattise, S. N. 2390
Mattsson, B. 3327
Matumoto, N. 3661
Matushkin, S. I. 1653, 2076, 3238
Matveev, Yu. M. 1554
Matysiak, R. 1956
Maurer, T. 3616
Maurice, D. 54, 2257
Maurice, D. C. 3303
Mauromicale, G. 1981
Maurousset, L. 1426
Maxwell, B. D. 363, 817, 1808, 2171, 4381-4382
May, M. 3525, 3826, 4683-4685, 5100
May, M. J. 226, 329, 971, 4825
Maycock, P. F. 2643
Maycock, R. 3570
Mayer, A. M. 2551, 2947, 2951, 2983
Mayer, R. J. 2532
Mayer, S. 3708
Mayfield, A. H. 3768
Maykuss, F. 1217, 3324
Mayo, C. M. 3795
Mayor, J. P. 1673, 3772
Maywald, V. 4455
Mazur, M. 2004
Mazurek, J. 5032-5033
Mazurek, P. 2741
Mazzeo, N. 411
Mazzoncini, M. 982
Mbagwu, I. G. 2316
Mbaye, D. F. 978
Mburu, C. 4363
Mbwaga, A. M. 2993
Meagher, T. R. 4340, 4778
Meakins, N. C. 1465
Meckenstock, D. H. 4438
Mededelingen van de Faculteit Landbouwwetenschappen, Universiteit Gent 429
Medina, J. A. 2228, 2492
Medina, M. A. 2253
Medina Pitalúa, J. L. 4211
Medvedev, A. 1479
Meehan, L. J. 87
Meetu Gupta 4739
Meggs, W. J. 4590
Megh Singh 4512
Mehar Noor 5139
Meharg, A. A. 1426
Meheriuk, M. 4088
Mehra, S. P. 2884, 4165
Mehrotra, N. K. 2402
Mehta, H. M. 5083
Mehta, N. P. 3362
Mehta, V. 375
Meijden, E. van der 2110
Meijer, J. 3526
Meijer, M. L. 4294
Meinen, E. 1167
Meinert, G. 2002
Meinlschmidt, E. 4621
Meissner, R. 485
Meister, C. W. 1247
Mekhail, G. M. 2085, 2649
Mekki, M. 1147, 1598
Mekonnen, Y. 2543
Mela, L. 1010
Melander, B. 2243, 3773, 4617
Melero-Vara, J. M. 2961-2962, 2989
Melfou, K. 4144
Mellbye, M. E. 1618-1619
Mellon, M. 17
Mel'nik, A. V. 1654
Mel'nik, V. I. 1966
Mena, G. L. 4105
Mende, F. 1987
Mendelssohn, I. A. 5167
Méndez, M. C. 385
Mendiola, M. A. 2226
Mendoza, S. P., Jr. 2059
Mendt, R. D. 4927
Menéndez, J. 1123, 2357, 4548
Meneuvrier, M. 5126
Meng, F. J. 2138
Menn, V. le 3814
Meray, A. 286
Merayo, A. 1604, 2254
Merbach, I. 1665
Merbel, N. C. van de 3568
Mercado, B. T. 2533
Merchant, M. 4633
Merezhinskiĭ, Yu. G. 3228
Merhoff, L. J. 4773
Meriggi, P. 3794
Mérillon, J. M. 2268
Merino, C. I. 2168
Merritt, C. R. 222
Merritt, J. 2930
Mersie, W. 4092, 4967
Mertens, A. 4741
Mertens, S. K. 951
Mervosh, T. L. 2761
Merwin, I. A. 5085
Mesa, A. C. 2039-2040
Mesa, A. R. 491
Mesbah, A. 2203, 3054
Mesfin, T. 2691
Messeguer, A. 4916
Messersmith, C. G. 2457, 2909, 3546, 4575
Messha, N. 2857
Messiha, N. K. 3679
Methy, M. 2559
Metzger, J. D. 523, 1112
Meurs, A. van 1270
Mevenkamp, G. 899

Meyer, A. 4870
Meyer, J. 3715, 3719
Meyer, M. H. 2092
Meyer, N. 1947
Meyer, R. E. 815
Meyer, R. H. 428
Meyer, W. 3611
Meyer-Windel, S. 3639, 3641
Meyerowitz, E. M. 1499
Meyers-Schöne, L. 163
Mheen, H. J. van der 770
Miadoková, E. 3146
Miano, T. M. 3165
Miao, B. 3035, 3474
Miceli, A. 70
Michael, P. 3487
Michalakis, Y. 4336, 4841
Michalik, S. 2667
Michalková, E. 4350
Michaud, M. H. 4701
Michel, F. C., Jr. 4931
Michler, C. H. 3685
Mičieta, K. 4599
Mickelson, S. K. 2327
Middaugh, D. P. 2303
Middleton, B. A. 403
Midgley, J. J. 5155
Midgley, P. 3007
Miesner, H. 2011
Miethe, P. 1867
Miginiac, L. 198
Migliaccio, F. 3529
Migo, T. 3936
Mihaljčević, M. 3983
Miki, B. 2371
Miki, N. 1449
Miki-Hirosige, H. 2918
Miklaszewska, K. 3882, 4125, 4626
Miko, S. 2083
Mikova, A. G. 3493
Mikryakova, T. F. 5166
Mikulka, J. 4719
Milberg, P. 3955
Milborrow, B. V. 1820, 2145
Miles, C. O. 3415
Milgram, K. E. 3124
Miliadis, G. E. 4876
Miligi, L. 223
Mill, R. R. 3406
Millburn, P. 4322
Miller, A. S. 53
Miller, B. K. 5122
Miller, G. 819
Miller, I. L. 371
Miller, J 2961
Miller, J. H. 336, 682, 802, 3371, 5110
Miller, J. J. 3137
Miller, K. D. 1168, 4580
Miller, K. V. 4878
Miller, M. S. 4949
Miller, R. F. 1824
Miller, R. M. 4507
Miller, R. V. 103
Miller, S. D. 2203, 3054
Miller, W. A. 544
Millhollon, R. W. 4796
Millner, P. A. 1005
Mills, M. 4071
Mills, M. S. 1098
Millstein, J. A. 1579, 4985
Milne, P. G. 347
Milsom, T. P. 968, 1313
Mimura, T. 4288
Minakata, K. 2315
Minamikata, Y. 3840
Mindrinos, M. 4431
Mineev, V. G. 127, 4479
Minero, C. 1031, 1488
Minet, M. 78
Minhas, P. P. S. 2496
Minhas, R. S. 5140
Minogue, P. J. 804, 5128
Minunni, M. 125
Mionetto, N. 4467
Mir Azizuddin 1961
Mirakhmedov, A. K. 1060
Miranda, F. I. 380
Miranda, T. 1544
Miranda-Ham, M. L. 1433
Mircovich, C. 2875
Mirek, Z. 3025
Mirgain, I. 1101
Mirkamali, H. 1963
Mirkov, T. E. 3096
Mirza, J. H. 2705
Misawa, S. 602
Mishra, A. K. 784
Mishra, D. P. 1146
Mishra, R. K. 758, 1642, 3785
Mishra, R. R. 1104
Mishra, S. 2129, 4735
Mishra, S. S. 3282
Mishra, V. K. 2049
Misra, K. K. 3817
Misra, P. N. 709
Misslinger, B. 2527
Mitamura, T. 3937
Mitchell, A. 4757
Mitchell, D. J. 3109
Mitchell, D. L. 1430
Mitchell, G. 4565
Mitchell, H. R. 4687
Mitchell, R. B. 4135, 4195, 4203, 4250, 4252
Mitchell, R. J. 45, 354, 939
Mitchell, R. S. 1705
Mitev, D. 5056
Mithen, R. 3041
Mithen, R. F. 3001
Mitich, L. 5037
Mitich, L. W. 833, 1758, 2116, 2541, 3854
Mitra, M. 4268
Mitsch, W. J. 3870
Mittal, S. 3157
Mittelstaedt, W. 3633, 3670
Miura, R. 2261
Miwa, A. 4859
Miyahara, M. 1967
Miyakado, M. 4000
Miyakawa, T. 5000
Miyamoto, J. 4881
Miyamoto, Y. 1030, 4453
Miyase, T. 1003
Miyauchi, M. 4887
Miyaura, R. 4341
Miyazaki, S. 4994
Mizoguchi, T. 3100
Mizutani, J. 2700, 4721
Mizutani, T. 160
Młynarczyk, K. 46
Moaisi, K. 449
Mochida, K. 1100
Moenandir, J. 3496
Mogensen, B. B. 3626
Mohamed, A. I. 606
Mohamed, E. S. 2979
Mohamed, O. S. A. 4046, 4048
Mohamed-Ahmed, A. G. 2851
Mohammad, S. 3781
Mohammed, G. H. 3051
Mohammed Filali 1508
Mohan, K. 2478
Mohandas, S. 386
Mohanty, R. K. 3455
Mohanty, S. K. 4938
Mohd. Yusuf 323
Mohler, C. L. 900, 3339
Mól, R. 1754
Moletti, M. 3298, 4192
Molinari, G. P. 2731
Molinillo, J. M. G. 2340
Mollard, E. 5076
Möllers, C. 1547
Molyneux, R. J. 1260, 2272, 3402-3403, 3851
Momose, K. 908
Monasterio-Huelin, E. 4256
Monawar, M. N. 3946
Mondal, N. G. 2557
Mondini, R. 3567
Mones, E. 4325
Monfort, B. 5017
Moniz, C. V. D. 340
Monkiédjé, A. 2404
Monks, D. W. 207, 2009, 2388
Monod, G. 4058
Monro, J. 4439
Monsen, S. B. 2248
Monson, R. K. 1375-1376
Monson, S. J. 2287
Monstvilâite, Ya. Yu. 3767
Montacchini, F. 2611
Montagu, M. 2268
Montagu, M. van 77, 82, 90, 527, 3922
Montalvo, J. M. 806
Montanari, C. 2617-2618
Monte, J. P. del 2224
Montealegre S., F. A. 479
Monteil, H. 1101
Monteiro, A. 2334
Monteiro, D. A. 4652
Montemurro, P. 982, 5068
Montepiani, C. 3579
Moodie, P. 968
Moody, K. 748, 905, 1196, 1789, 4193
Moody, M. J. 3436
Moody, R. P. 4889
Moog, P. R. 2271
Moon, Y. H. 1880
Moore, B. C. 416
Moore, C. T. 1478
Moore, F. D., III 1188
Moore, J. 4238
Moore, K. M. 4863
Moore, M. J. 1624
Moore, T. H. M. 3001
Moorhead, D. L. 1256
Moorman, T. B. 580, 638, 1086, 3119
Moorthy, B. T. S. 1614, 2017, 5042
Moosasheriff, M. 2028
Moraghan, J. T. 1302
Moraillon, I. 594
Moran, V. C. 367, 2710, 4260
Morber, C. 1047
Mordkovich, Ya. B. 3816
Moreau, C. 3632
Moreau, F. 1002
Moreira, I. 2229
Morejohn, L. C. 1529
Morel, J. B. 4430
Moreland, D. E. 4550
Morelle, B. 4987
Morelli, E. 3410
Morelli, M. A. 4968
Moreno, A. J. 1064
Moreno, M. T. 2960
Moretti, G. 2871
Moretti, R. 3655
Morgan, J. L. 335
Morgan, L. J. 221
Morgenstern, M. 4095
Mori, I. 2796
Mori, T. 4862
Môri, Y. 68
Morillo, E. 4528
Morin, A. 4902
Morin, F. 1931
Morishita, D. W. 3910, 5098
Morita, H. 2585
Morita, S. 4488
Moriyama, Y. 3873
Morkoç, E. 660
Morozov, V. I. 3521
Morris, J. T. 3866
Morris, W. 916
Morrison, I. N. 1806, 4555, 4955
Morrison, R. G. 3187
Morse, D. H. 832, 1264
Morse, S. R. 1766
Mortensen, D. A. 2602, 4397
Mortensen, K. 4849
Mortimer, R. D. 1033, 1035
Morton, A. J. 906
Morton, C. A. 289, 1319
Morton, J. F. 1677
Moseley, D. 3677
Moses, M. 4590
Moshier, L. J. 452, 1192
Mosier, D. G. 4372
Moskalenko, G. P. 1751
Moss, C. J. 1748
Moss, S. R. 3078, 3967
Mossa, E. L. 2679
Mossler, M. A. 3124
Mostats, M. 1566
Mostowska, A. 3214
Mot, R. de 4520
Mott, J. 971
Mott, K. A. 510, 1834
Mou, P. 45
Moubasher, M. H. 4830
Mounir, H. 388
Mountford, J. O. 965
Mourad, G. 2371, 4108
Mouraux, D. 232
Moussavi, M. R. 1963
Moustafa, S. S. 2058
Mouvet, C. 621, 3632
Movassaghi, S. 3126
Mowrey, D. P. 2172
Moyer, J. L. 5062
Moyer, J. R. 1179, 3303
Moza, P. N. 4005
Mozley, D. 2181
Mróczyński, L. 4607
Mróczyński, M. 4607
Mrówczyński, M. 724
Mt. Pleasant, J. 5, 287
Mueller, D. M. 1173
Mueller, J. G. 2303
Mueller, T. C. 2336
Mueller-Warrant, G. W. 1618-1619, 3304
Muenchow, G. 852
Muhammad Banaras 936
Muhammad Khan 281
Mühlebach, F. 3588
Muiña, M. 3049
Mukaiyama, S. 4379
Mukherjee, D. 3359, 4257
Mukherjee, K. S. 4736
Mukuru, S. Z. 4729
Mulder, M. 4593
Mulder, T. A. 3776
Muldoon, M. T. 134, 1487, 1872-1873, 4460
Mullahey, J. J. 1328, 1790, 2275
Muller, D. 517
Müller, R. H. 4522
Müller, T. 3616
Müller, W. D. 827, 5145
Müller-Schärer, H. 1442, 3544, 4402
Mullinix, B. G., Jr. 946, 2502, 4679
Mulqueen, P. J. 2387
Mulrooney, B. 4752
Mulrooney, J. E. 234
Mulugeta, D. 2171
Mumma, R. O. 569
Mummenhoff, K. 915, 3917, 4351
Mummigatti, U. V. 4566, 4572
Mumtaz, S. 3690
Munegowda, M. K. 3321
Munier-Lamy, C. 620
Muniyappa, T. V. 3417, 4244, 5048
Munnich, D. 4723
Muñoz-Cobo, M. P. 2500
Münster, P. 4455
Murahwa, H. 2148
Murakami, M. 1030
Murakami, S. 2687
Murawa, D. 4680
Murdoch, C. L. 2522
Murdock, E. C. 4408, 5066
Murillo, M. 535
Murillo, R. 2879
Murillo, S. 2252
Murisier, F. 3344
Murkin, H. R. 418
Murofushi, N. 1277, 1848
Murphy, A. 3431
Murphy, G. J. 228
Murphy, J. S. 28
Murphy, K. J. 5172
Murphy, M. W. 2383
Murphy, S. D. 1600, 3052
Murphy, T. R. 356, 914, 1243, 3841
Murray, B. G. 4955
Murray, D. S. 31, 2086, 3830
Murray, G. M. 304
Murray, H. 1178

Murray, L. 2493
Murthy, B. G. 3356
Murthy, B. S. K. 3412
Murthy, G. R. K. 3717
Murthy, J. V. 1529
Murty, G. V. G. K. 2801, 2963, 2967
Murugesan, A. G. 4282
Murzakov, B. G. 181
Murzyn, S. 4006
Musa, U. T. 2083
Musgrave, M. E. 4337
Musiał, W. 4595
Musker, R. 528
Muslemanie, N. 2601
Musselman, L. J. 843, 2934
Mutoh, S. 1428
Mutoko, F. 2148
Mwanthi, M. A. 235
Myers, D. A. 1431
Myers, D. F. 3379
Myers, S. P. 1747
Myint, A. 1201
Mysore, K. S. 3686
Na, J. Y. 2365
Na, Q. 3227
Naber, H. 2970, 4587
Nadaf, S. K. 2021
Nadeau, B. 4889
Nag, J. K. 3595
Nagahama, T. 1434
Nagaraja, H. 5144
Nagarajan, K. 5159
Nagaraju, A. P. 2014, 3321, 4214
Nagasampagi, B. A. 1846
Nagasawa, A. 4956
Nagashima, H. 2681-2682
Nagashima, T. 3093
Nagata, K. M. 3039
Nagayama, T. 4480
Nagel, R. 4057
Nagraba, K. 574
Nagy, E. 3209
Nagy, I. 4520
Naidoo, L. A. C. 1276
Naik, N. 3319
Nair, A. G. R. 3974
Nair, G. A. 606
Naito, H. 160
Najma Abidi 2665
Nakagawa, Y. 4045
Nakamaru, Y. 3093
Nakamura, S. 2918
Nakamura, T. 1100, 1894
Nakanishi, Y. 4721
Nakano, K. 4043
Nakano, T. 2796
Nakao, T. 4570
Nakata, M. 176
Nakatsubo, T. 4812
Nakaya, M. 4417
Nakayama, A. 1029
Nakayama, I. 4570
Nalamwar, R. V. 1193, 2819
Nalewaja, J. D. 1553, 1956, 4574
Nalini, A. S. 4805
Nambiar, E. K. S. 4359
Namdeo, K. N. 2467, 3821, 5065
Namhata, D. 3484
Namjou, S. 734
Nampy, S. 1713
Namrata Sharma 2179
Namura-Ochalska, A. 3505-3506, 3519
Nandal, D. P. 5053
Nandal, T. R. 2488
Nandihalli, U. B. 1141, 2793
Nanjappa, H. V. 2481, 2762, 3322, 4191, 4213, 4231
Naphade, R. K. 2874
Napoli, L. de 65
Napompet, B. 561
Naqshi, A. R. 1362
Naqvi, S. S. M. 3690
Naraniecki, B. 1563
Narasimhan, T. R. 3412
Narayan, D. 3503
Narayan Adityachaudhury 4525
Narayanan, K. S. 3646
Narwal, S. S. 870, 1739, 2664, 3028
Nasr, F. 78
Nassif, W. 1049
Natale, A. de 2613
Natali, A. 27
Natangelo, M. 3562
Natarajan, K. 2922
Natarajan, P. 404
Natera, C 3818
Nath, J. 3154
Nath, S. C. 1976
Naude, D. C. 4711
Nauman, C. H. 575-576
Nava, C. 4892
Nava, H. S. 2101, 3396
Navarrete, L. 2580
Navarro, A. 2437
Navarro, J. 2515
Navas, A. 4024
Navqvi, S. H. N. 1702
Nawaz, H. 1191
Nayak, B. S. 4938
Naylor, R. J. 376
Nazarova, T. A. 585
Nazif, M. 3838, 4696-4697
Ndapwadza, T. 4284
Ndikawa, R. 1606
Ndoumou, D. O. 2562
Ndzomo, G. T. 2562
Neal, J. C. 1318, 3547
Neary, D. G. 337, 4878
Neary, P. E. 2660
Nebbia, C. 1059
Nebeker, A. V. 607
Nee, M. 1790
Needham, D. 3148, 4322
Neefjes, K. 702
Neff, M. M. 1424
Nefkens, G. H. L. 2997
Negele, R. D. 4905
Negi, J. S. 2107
Nègre, M. 635, 1911, 3163
Negru, S. 4178, 4641
Nehéz, M. 4037
Nehra, D. S. 798
Neidlinger, T. J. 3304
Neiff, J. J. 2141
Neil, J. C. 3459
Neissner, R. 1053
Nejidat, A. 4424
Nekola, J. C. 2620
Nel, P. C. 1601, 3129, 4101
Nélieu, S. 2725
Nell, H. W. 2160
Nelson, D. G. 354
Nelson, E. C. 2674
Nelson, H. 1886, 2304
Nelson, J. O. 134, 1865, 1872
Nemacheck, J. 4769
Nemat Alla, M. M. 3672
Nemcsók, J. 3603
Németh, I. 4668
Nemli, Y. 1812, 2866, 2876
Nemming, A. 3808
Nemoto, M. 2648, 3470
Nentwig, W. 556
Nepalia, V. 2474
Nersoyan, N. 708
Neser, S. 4259
Nešković, N. K. 3604
Nester, S. E. 3097
Netherland, M. D. 1314
Neto, F. S. 1999
Neubert, S. 4552
Neudorf, B. 3578
Neuenschwander, P. 4307
Neuhauser, E. F. 700-701
Neuschl, J. 4047, 4900
Nevečeřal, P. 1701
Neves, B. P. das 305
Neves, H. C. 4540
Nevoránková, Z. 128
New, P. B. 1495
Newell, S. 2503
Newman, J. R. 2576, 3445
Newsom, L. J. 2154, 2468, 2470
Newton, M. 1081
Ng, H. Y. F. 4499
Ng, J. C. 2917
Ngadino 3496
Ngai, J. 1389
Ngouajio, M. 1212, 2012
Ngugi, C. W. 2525
Nias, A. H. W. 1893
Nicholls, P. H. 623, 3636, 3890
Nichols, M. B. 1747, 4764
Nichols, S. A. 1306, 2142
Nichols, T. J. 4369
Nicholson, K. 4
Nicholson, K. S. 639, 1786, 3053, 3927, 3938
Nicolaus, B. 2363, 3693, 4563
Nielsen, D. C. 60
Nielsen, E. 1546, 4106
Niemann, P. 477, 482
Niemczyk, E. 776, 4882
Nienhuis, J. 3043
Niessner, R. 1041, 1047, 1871, 1895, 3561, 3618
Nieter, I. 5005
Nieto Angel, D. 4217
Nigg, H. N. 693
Niggli, U. 3344
Niizeki, M. 1135
Niklas, K. J. 1263, 4818
Niklíček, L. 3825
Nikolaenko, Zh. I. 637
Nikolaeva, N. G. 1980
Nikolaidis, E. 4262
Nikul'nikov, I. M. 1655
Nilofar Akhtar 3006
Nilsson, M. 542
Nilsson, M. C. 2539, 3395
Nilsson, U. 5121
Nilvé, G. 4011
Nipaney, P. C. 880
Nirmala Pant 3382
Nisensohn, L. 3462
Nisensohn, L. A. 2037-2038
Nishida, K. 4860
Nishida, M. 1163
Nishida, T. 536, 4637
Nishima, T. 4480
Nishimoto, R. K. 2522
Nishimura, M. 524
Nishimura, T. 4043
Nishioka, Y. 1894
Nishiuchi, T. 524
Nissanka, S. P. 1388
Nissen, S. J. 1616
Nistico, G. 159
Niţă, M. 1524
Nitta, H. 2918
Niwata, S. 1449, 4857
Nizamuddin 4002
Niziński, Z. 4698
Njoroge, J. M. 1659, 2889
Noa, Y. O. 3049
Noba, K. 19
Nobel, P. S. 993, 999
Noble, R. E. 807
Noble, R. L. 1311
Nóbrega, L. B. da 2201, 3834
Noël, V. 4336, 4841
Noguchi, N. 602
Nogueira, E. A. 4669
Nogueira Sediyama, M. A. 3331
Noguer, T. 4467
Nogueria, F. 1718
Nohara, S. 2301
Nohara, T. 69, 362
Noland, T. L. 3051
Noldin, J. A. 3297
Nolf, A. 5097
Nolte, J. 3619, 3668
Nomura, M. 110
Nomura, S. 4862
Nonnecke, G. R. 4225
Nooij, M. P. de 2703
Noonia, M. S. 1637
Noor, M. 5139
Noordin, M. M. 835
Noort, S. van 4436
Norambuena M., H. 2109
Nordblom, T. L. 708
Nordbo, E. 1155, 3070, 3518, 4134
Nordin-Henriksson, K. 4836
Nordmeyer, H. 625, 1492, 3175, 3638
Noritake, K. 1162, 1195
Norman, F. 3933
Norman, H. A. 4967
Norman, M. A. 650, 4224
Norris, C. D. 423
Norris, R. 2930, 2969
Nörtersheuser, P. 2322
North, G. B. 999
North America, Flora of North America Editorial Committee 3036
Northam, F. E. 887, 2244
Norton, D. A. 4727
Norton, G. A. 4142
Nosaka, S. 4747
Nösberger, J. 1847
Nosek, J. 522
Novak, D. 2826
Novák, J. 471, 1205
Novak, J. M. 1086, 3119
Novak, S. J. 2256
Nováková, O. 573
Novikov, V. M. 746
Novo, M. C. S. S. 2730
Novopashenny, I. 173
Novotná, M. 3341
Nowak, C. A. 700-701
Nowakowski, M. 1250
Nowicka, B. 143, 2350, 2810, 4159, 4168, 4482, 5018
Noyé, G. 3744
Nun, N. B. 2947, 2983
Nunzi, L. 3823
Nuoffer, G. G. 3757
Nuyken, W. 330
Nybom, H. 1252
Nygaard, P. 76
Obara, S. Y. 4357
Obermann, P. 3657
Obermeier, H. 3708
Oberoi, G. 3414
Oberwalder, C. 137
Obeso, J. R. 2538
Obilana, A. T. 2993
O'Brien, T. A. 3387
O'Bryan, K. A. 132
Obulesu, G. 3476
Ochoa Corona, F. 2276
Oda, J. 4862
Odell, J. T. 1133
Oderinde, R. A. 4824
Odhiambo, G. D. 743, 2827-2828, 3002, 3272
Odneal, M. B. 2057
O'Donnell, D. J. 4705
O'Donovan, J. T. 44, 54, 322, 1228, 1813, 2257
Odum, E. P. 502
Oesau, A. 498
Oesch, F. 1892
Offidani, A. 1475
Oficial, R. 3177
Ofterdinger-Daegel, S. 841
Ogasawara, C. 1162, 1195
Ogasawara, H. 1135
Ogasawara, M. 2935
Ogata, H. 4898
Ogawa, K. 66, 1065
Ogawa, Y. 1331-1332, 1334, 1506, 3937
Ogg, A. G. 4649
Ogg, A. G., Jr. 255, 1024, 1746, 2210, 2458, 2793, 2797
Ogilvy, J. M. 4982
Ogilvy, S. E. 267
Ogino, C. 2369, 4563
Ogram, A. 3664
Ogunkunle, A. O. 740
Ogura, T. 3532
Oguri, A. 4886
Oh, Y. J. 1385, 1406
Oh-ishi, S. 2315
Ohashi, N. 114, 4446
Ohenoja, E. 3912
Ohgaki, S. 4860
Ohkawa, H. 673, 4113, 4956
Ohkawa, K. 4721
Ohkawa, T. A. 4747
Ohkawara, K. 1340

Ohkuma, M. 4632
Ohkura, T. 122
Ohkuro, T. 2648
Ohlson, M. 1378, 3045
Ohnishi, K. 4517
Ohta, D. 2796
Ohta, K. 2282
Ohwada, T. 4489
Oikeh, S. 4731
Ojha, B. M. 3846
Ojha, J. 1792
Okabe, T. 1058
Okamoto, C. 4297
Okamoto, K. 3937
Okano, N. 1030
Okay, O. S. 660
Okazaki, Y. 3873
O'Keefe, D. P. 1133
Okoye, V. 3154
Okubo, N. 160
Okuda, J. 1464
Okuda, T. 3046
Okuma, M. 1015-1016
Okusanya, O. T. 1805
Okutomi, K. 4366
Olaniyan, G. O. 1691, 5160
Olasantan, F. O. 2425
Olckers, T. 3112-3113, 3540, 3995, 4722
Olea, I. 2507
Olesen, A. 1463
Olesen, J. E. 3494
Olesen, J. M. 64
Olexa, M. T. 3244
Olive, J. W. 1129
Oliveira, D. de 3922
Oliveira, I. P. de 305
Oliveira, S. V. 4897
Oliveira-Velloso, J. A. R. 2945, 2973
Oliver, D. 4753
Oliver, J. D. 4771
Oliver, L. R. 2163, 2204, 4372
Oliver, M. 244
Olivieri, I. 4841
Olmedo, C. 1456
Olmstead, K. L. 553
Olness, A. 2286
Olofsdotter, M. 1463
Olsen, J. D. 3850
Olsen, L. G. 4984
Olson, Å. 4836
Olson, B. E. 3300, 3899
Olson, D. J. 3976
Olson-Rutz, K. M. 2035
Olvera, H. F. 2259
O'Malley, P. J. 3215
Omaña, J. M. 2508
Omigawa, Y. 2935
Omokawa, H. 1542
Oms-Molla, M. T. 3619
Ōmura, S. 107, 3192
Onaindia, M. 5173
Onasanya, O. S. 740
O'Neil, P. 405
O'Neill, M. K. 743
Ong, G. L. 1589
Ongphiphadhanakul, B. 595
Onifade, A. K. 849
Onoe, M. 2299
Onofri, A. 1394, 1607, 3771
Oobuchi, S. 5047
Ooi, P. A. C. 3993
Oommachan, M. 3483
Ooms, J. J. J. 645, 2767
Ooms, M. 4136
Oostdyk, T. S. 2719
Oostveldt, P. van 77
Oparka, K. J. 179, 1519, 2269, 2694
Opatrný, Z. 1117
Opekarová, M. 88
Opletal, L. 1117
Opuszynski, K. 5192
Oravec, C. 153
Oren-Shamir, M. 1539
Orengo-Santiago, E. 1218
Orfeo, O. 2141
Orhon, D. 3134
Orio, F. di 156
Örlander, G. 5121
Orlandi, M. 3550
Orlando, D. 263
Orloff, S. B. 2392
Ornes, W. H. 2135
Oropeza, A. 4105
Orozco-Santos, M. 3541
Orr, J. P. 5037
Orsenigo, M. 3079
Orsini, D. 3390
Orsini, V. G. 1760
Orson, J. H. 261
Ort, M. P. 3158
Ortega, F. 4467, 4571
Ortega, M. R. 2040
Os, B. van 1010
Osawa, N. 3552
Osborne, B. T. 3681, 4642
Osborne, D. J. 2266
Osbornová, J. 1752
Osbourne, L. D. 1946
Osetrova, N. M. 3761
Osi'lis, P. 3328
Osmond, C. B. 3084, 4439
Ostapenko, N. A. 1603
Ostashevskii, V. A. 4895
Ostojić, Z. 2686, 2826
Oštrec, L. 4751
Ostrowska, B. 3091
Ostrowski, J. 2755, 2789, 4514, 4615
O'Sullivan, J. 3271
Otomo, E. 717
Otte, M. L. 3866
Otto, S. 3553, 3609
Ou, J. C. 976
Ou, Z. Q. 1879
Ouanouki, B. 5115
Ouedraogo, O. 1283
Ouelhazi, L. 1508
Ouellet, T. 2371
Oulmi, Y. 4905
Ourisson, G. 514
Outlaw, W. H., Jr. 1502
Ouzts, J. C. 4416
Overath, H. 3663
Overton, J. M. 3418
Ovezliev, A. O. 236
Owen, H. A. 3968
Owen, M. D. K. 1626, 1631, 2764, 2775, 4950
Owen, S. P. 4459
Oxley, S. J. P. 4312
Oya, M. 4859
Ozair, C. A. 1213
Ozawa, S. 536
Özer, Z. 519
Ozerova, L. V. 990
Ozimek, T. 1307
Ozkan, H. E. 1549, 1552
Ozoe, Y. 1100
Pacewicz, K. 4952
Pacheco, A. 655
Pacini, E. 913
Pack, R. 971
Pacyna, A. 2622
Padaganur, G. M. 3537
Padegimas, L. 4553
Padenov, K. P. 3835
Padgett, G. B. 3988
Padmavathi, N. V. 1369, 3482
Padole, S. G. 4167
Page, C. N. 3406
Page, D. M. 1450
Paina, A. 1425
Paiva, G. de 885
Pak, G. A. 149
Pak, J. H. 2191
Pakbraz, H. 3600
Pakeman, R. J. 1249, 1672, 2537, 3407
Pal, A. 1757
Pal, D. 2464, 2501
Pal, S. 2281, 3157, 4005, 4525
Palagio, A. 760
Palaniappan, S. 1778, 1788, 2028
Palau, A. 402
Pałczyński, J. 1635-1636, 1663
Palczyński, J. 2485, 2490
Pałczyński, J. 3801, 3924, 4221
Pali, G. P. 2023
Paliwal, A. K. 2029
Paliwal, K. 2922
Pallas, K. 4621
Pałłczyński, J. 4654
Pallett, K. E. 1945
Pallutt, B. 262, 476, 1184, 3254
Palmeira, C. M. 1064
Palmer, M. 42, 2498
Palmer, R. A. 392
Palmero, S. 1456
Palva, E. T. 4836
Pan, D. Y. 1068
Pan, Y. T. 2272
Pană, C. 1898
Panchal, Y. C. 4566, 4572
Panchenko, V. F. 1653, 2076
Panda, B. B. 929
Panda, K. K. 929
Panda, P. C. 1360
Pandard, P. 129
Pandey, A. K. 4433
Pandey, B. P. 2042
Pandey, D. K. 2560-2561
Pandey, H. N. 3904
Pandey, J. 3178, 4166
Pandey, N. 4204
Pandey, R. P. 3477
Pandey, U. B. 2049
Pandher, M. S. 4551
Pandit, G. K. 2281
Pandita, M. L. 1634
Pane, H. 4188
Panetta, F. D. 438, 975, 4398
Pangtey, Y. P. S. 3860
Panigrahi, A. K. 4291
Pannell, D. J. 708, 3728, 4614
Pannirselvam, S. 4286
Pant, N. 3382
Pantani, O. L. 2722
Pantastico-Caldas, M. 35
Panter, K. E. 1260, 3403, 3850-3851
Panter, K. L. 3239
Pantis, J. D. 1977
Pantoja, A. 98
Pantyukhov, G. A. 100
Panwar, R. S. 4616
Paola, M. L. di 4418
Paoletti, M. G. 5009
Paoli, M. de 3567
Paolini, R. 2814
Papa, J. C. 4940
Papaioannou, N. 4262
Papanagiotou, E. 4144
Papastergiadou, E. 1299-1300
Papendick, R. I. 255
Papeš, D. 4885
Papilloud, S. 4017
Paquette, L. C. 557
Paradis, L. R. 2734
Paradkar, N. R. 3064-3065, 3191, 3264
Paradowski, A. 3882, 4158, 4674
Paramjit Singh 1359
Paraye, P. M. 2029
Pardo, A. 2230, 2486
Pardo, R. 1456
Paré, J. 3000, 3432
Pareja, M. 2168
Parent-Massin, D. 4483
Parihar, S. S. 2477
Parish, T. 965
Park, D. J. 3248
Park, J. E. 2015-2016, 2448, 2577, 2834, 3017, 3189-3190
Park, K. H. 1406, 1649, 1789
Park, K. Y. 1405, 1521
Park, S. H. 1825
Park, S. J. 1355, 2689
Park, T. Y. 502
Park, Y. S. 1397, 2015-2016, 2448, 2577, 2839, 3017
Parker, A. 3642
Parker, B. 819
Parker, C. 50, 2933, 3424
Parker, I. M. 951, 4395
Parker, P. 3307
Parker, R. 830-831, 4664
Parker, T. V. 878
Parkes, S. L. 4254
Parkin, G. F. 2333
Parks, R. W. 3185, 3194, 3389, 3391
Parlow, J. J. 1859, 4452
Parmar, B. S. 2799
Parmar, N. D. 5090
Parmar, P. J. 3477
Parrilla Vázquez, P. 3580
Parry, D. W. 92
Parry, J. 4121
Parsonnet, J. 2313
Parsons, A. N. 3426
Parsons, P. J. 1296
Parsons, R. G. 3654
Parsunkova, S. A. 737
Pascher, K. 20
Passamonti, M. E. 4940
Passino, R. 3549
Pastor, J. 1420
Pastor, J. E. 2570
Pastor, M. 2348
Pastukh, N. A. 1654
Pate, J. S. 2122, 2926
Patel, B. S. 2518
Patel, C. S. 2836
Patel, D. J. 3361
Patel, H. P. 3285
Patel, H. R. 3361
Patel, J. C. 2518
Patel, J. J. 3285
Patel, J. R. 5083
Patel, K. G. 3362
Patel, M. L. 727
Patel, P. G. 3362
Patel, R. B. 3285
Patel, S. K. 3361
Patel, S. L. 2023
Patel, U. G. 3362
Patel, Z. G. 2066, 5090
Patena, L. F. 1131
Patera, R. M. 1452
Paterson, A. H. 4344
Patgiri, D. K. 2088
Pathak, A. K. 3295
Pathak, C. P. 3382
Pathak, H. C. 3285
Patham, A. K. 2816
Patil, J. R. 2883
Patil, S. B. 1687
Patnaik, C. 1360, 4069
Patra, R. R. 4291
Patra, S. K. 4339
Patrignani, G. 3079
Patruno, A. 4506
Patschke, K. 739, 1225
Patten, K. 319, 1640, 4223
Patten, K. D. 1395, 4224
Patterson, D. 4965
Patterson, D. T. 926, 1801
Patterson, G. W. 3099
Patterson, M. G. 1222, 2060, 4793
Patty, L. 3650
Paul, E. A. 4055
Paul, L. E. 4752
Paul, N. D. 382, 545, 2703, 3104, 3987
Paul, R. N. 3221, 4416
Paula, T. J. de, Jr. 640-641
Pauli, B. 164
Paulíková, D. 3
Paulitz, T. C. 1023
Paulson, G. D. 4322
Pavlica, M. 4885
Pavlů, L. 4081
Pavuk, D. M. 101
Pawar, A. D. 5175
Pawłowski, F. 4807-4808
Payne, N. J. 800
Pazy, B. 400
Peacock, W. J. 523
Pearce, D. W. 4535, 4537
Pearson, H. A. 1219
Pearson, M. 4826
Pearson, R. G. 1902
Pearson, S. L. 4586
Peat, H. C. 1617
Peccenini, S. 2616
Peck, M. 3705
Pedersen, A. T. 4425
Pedersen, H. J. 4918

Pedersen, H. L. 3342
Pedersen, O. 1700
Pederson, D. T. 111
Pedigo, L. P. 1626, 2764, 4950
Pedro, J. R. 67, 3531
Pedrosa de Azevêdo, D. M. 2201
Pedrotti, F. 2624
Peeper, T. F. 278, 2418, 3758
Peeples, K. A. 696
Peeters, A. 2312
Peffley, E. B. 3059
Pegg, G. G. 3414
Pei, J. N. 292
Peinado Lorca, M. 3944
Peiser, G. 4713
Peixoto, P. V. 3413
Peleg, I. 3205
Pelham, S. D. 3768
Pélissier, T. 529
Pelizzetti, E. 1031, 1488
Peltier, G. 4828
Peñaloza-Vázquez, A. 4105
Peng, Z. Y. 1504
Peniašteková, M. 4400
Pěnková, I. 471
Penner, D. 666, 1119, 1922, 1958, 3237, 4646, 5071
Pentel, M. T. 2738
Penton, Z. E. 117
Pentyala, S. N. 1062
Penzkofer, A. 2099
Pepper, I. L. 4507
Pepperman, A. B. 2380-2381
Perbal, G. 3086
Perecin, C. 4652
Pereira, J. B. M. 306
Perera, K. 581
Peressim, V. A. 4652
Peressotti, A. 468
Perewoska, I. 1544, 3217
Pérez, A. 2865
Pérez, J. 67
Perez, L. 806
Pérez-García, F. 889, 2189, 4768
Pérez-Ruiz, T. 4871
Perin, L. 158, 1476
Perišić-Janjić, N. U. 1034
Perkins, B. 2734
Perkins, L. B. 146
Permin, O. 1214, 1236, 3223
Perrin-Ganier, C. 4877
Perrins, J. M. 3473
Perry, A. R. 3024
Perry, J. N. 1785
Perry, K. M. 5108
Perry, M. A. 939
Persaud, K. C. 130
Persaud, S. 1201
Persicani, D. 4075, 4923
Persoone, G. 608
Persson, K. 3223
Persson, T. S. 2584
Pesacreta, T. C. 992
Peschken, D. P. 955
Pestemer, W. 173, 3175, 3611, 3647, 4067
Pesticides News 1583
Peters, B. 3663
Peters, F. 933
Peters, W. 2055
Petersen, A. 374, 4716
Petersen, P. E. H. 1352
Peterson, D. E. 3523, 3795
Peterson, H. G. 3436
Peterson, J. K. 4803
Peterson, L. C. 4369
Petitjean-Freytet, C. 517
Petrell, R. J. 1717
Petrelli, G. 223
Petrov, P. 5056
Petrov-Spiridonov, A. A. 3723
Petry, W. 2654
Pettersen, M. N. 622, 1097
Pettersson, O. 5007
Pettersson, R. 59
Petukhov, E. A. 3521
Petunova, A. A. 2461
Petzold, U. 2146
Petzoldt, K. 2876
Pezeshki, S. R. 2131
Pezet, R. 4163
Pezo, I. 320
Pezzoni, A. 3567
Pfeiffer, R. L. 1857, 3159
Pfeil, M. 1863
Pfiffner, L. 3722
Pfister, J. A. 1261, 3850-3851, 5147
Pflaumer, J. E. 3149
Pfleeger, T. G. 4098
Pfleiderer, W. 4453
Pflüger, W. 4908
Pfüller, U. 392
Phen, C. J. 1429
Phiet, P. H. 155
Phillips, M. C. 449
Phillips, R. L. 21
Philp, B. W. 1728
Phipps, J. B. 462
Phlips, E. J. 4102
PHM Revue Horticole 3375
Phogat, S. B. 2044
Phongpan, S. 5045
Phytoparasitica 1730
Piaggio, G. 2168
Piastuch, W. C. 4823
Picard, G. 529
Picaud, M. 3217
Piccardi, P. 3118
Piccialli, G. 65
Piccialli, V. 65
Piccolo, A. 2329
Picher, M. 2149
Pichersky, E. 24-25
Pichon, O. 1832, 1838
Pichon, V. 3569
Pick, F. E. 1052
Pick, F. R. 4902
Pico, Y. 4868
Picot, J. J. C. 4978
Picton, J. R. 266
Piech, M. 4952
Piedade, M. T. F. 2572
Pieniążek, M. 4006
Piepho, H. P. 1854, 2022
Pieterse, A. H. 1684, 1686, 2831, 2927, 2938, 2949, 2994, 3002-3003, 3421, 3458
Pieterse, P. J. 360, 4712
Pietryga, J. 3762
Pietz, D. G. 4060
Pigliucci, M. 4406, 4814
Pignatello, J. J. 631, 1083, 3120
Pilette, J. F. 126
Pilipenko, V. N. 1715
Pillai, G. 710
Pillai, G. R. 4630
Pillai, K. G. 2441
Pillai, P. 4967
Pillai, P. B. 4630
Pillière, F. 3152
Pillinger, J. M. 2150
Pilyavskaya, A. 5146
Pimentel, D. 3143
Ping, L. 3227
Pingali, P. L. 1734
Pinkerton, A. 1836
Pinkstone, D. C. 3589
Pinnschmidt, H. O. 474, 3492
Pino, J. 2173, 4338
Pinot, F. 189
Pinter, P. J., Jr. 495
Pirani, V. 1628
Pirić, Ž. 2465
Pistotti, V. 3557
Pita, J. M. 2189, 4775
Pitalúa, J. L. M. 4211
Pitra, L. 1797, 2529
Pitre, H. N. 4438
Pitt, D. G. 346, 800, 4880
Pittman, J. H. 2302
Pius, J. 647
Pizza, C. 3534
Pizzi, M 2809
Plana, E. 2583
Plant, R. A. 4970
Plas, L. H. W. van der 2157
Plater, B. 1209
Platon, I. 3343
Platts, B. 104
Plaza, A. 2071-2072
Pleasant, J. Mt. 287
Plevková, J. 1148
Plewa, M. J. 79
Plitmann, U. 400
Plummer, M. J. 1452
Podgórska, B. 3733
Podila, G. K. 2352
Podsevalov, M. I. 3521
Podstavková, S. 3146
Poelaert, J. 5017
Poh, B. L. 1039
Pohlenz, H. D. 1136, 2790
Pohlmann, J. M. 18, 49
Poi de Neiff, A. 2141
Pokorná, M. 652
Polasek, W. 910
Poleksić, V. 3604
Polesello, S. 3550
Poletika, N. N. 3162
Policello, G. A. 228, 4577
Polk, D. F. 2660
Pollak, R. 318
Pollock, C. J. 2905
Pollock, J. 540
Pölös, E. 3081
Polston, J. E. 2275
Pomar, J. 2185
Pomarici, E. 4143
Pomerinke, M. A. 3855
Pomes, M. L. 1045
Pomianowska, E. 4680
Pond, S. M. 1043, 2739
Poneleit, C. G. 2356
Pool, A. 1710
Pool, C. F. 4311
Pool, R. M. 3345
Poonguzhalan, R. 4231
Poorter, H. 508
Poorter, M. P. de 2331
Popa, F. 4396
Popay, A. I. 1411
Popay, A. J. 4317
Popov, S. S. 3689
Popp, M. 465
Poprawski, T. J. 3602
Poreda, S. F. 3057
Pornprom, T. 1128, 1541, 2344
Portal, J. M. 620, 4877
Porter, D. W. 3452, 4103
Porter, M. 1469
Porter, M. J. 3591
Porter, W. C. 5123
Portier, K. M. 3441
Portillo, H. E. 4438
Portwood, A. M. 3635
Portwood, D. 3570
Portych, P. 4682
Porwal, M. K. 2818
Posey, M. H. 1308
Poskitt, L. B. 1896
Pospíšil, L. 109, 1860
Post, B. J. 4787
Postiglione, L. 982
Postolache, G. 3915
Pothiraj, P. 2028, 2447
Potikha, T. 2263
Potter, T. L. 4031
Potts, J. 4799
Potty, N. N. 4389
Poulsen, G. S. 3687
Poulton, J. E. 2699
Pound, W. E. 2523
Poutala, R. T. 728
Powar, S. L. 2799
Powell, J. C. 3073
Powell, J. E. 4856
Powles, S. B. 196, 983, 1124, 1130, 1145, 1540, 1807, 2341, 2684, 3027, 4410, 4556, 4944
Pozo, C. 1498
Pozuelo, J. M. 1138
Pozzi, T. 3277
Prabakaran, V. 846
Prabhakar, A. S. 4805
Prabhaker, D. B. 2107
Praczyk, T. 2182, 3260, 3749
Pradhan, A. C. 3359
Prado, J. 2749
Prado, R. de 1123, 1671, 1937, 1940, 2252-2253, 2357, 2361, 4548
Prakash, J. 870, 1534, 4117
Prakash, N. 5143
Prakash, O. 836
Prakash, P. 4191
Prakash Rao 5175
Pramanik, A. K. 4268
Pramauro, E. 1031, 1488
Prasad, H. 1792
Prasad, K. 4232, 4650
Prasad, R. 1561, 1567
Prasad, T. A. V. 166, 1484, 4052
Prasad, T. V. R. 3799
Prasher, S. O. 628
Pratap, M. 2053
Prathibha, N. C. 3356, 4244
Pratibha Shukla 2763
Pratt, J. R. 161
Pratt, S. M. 344
Prenzlow, D. M. 2602
Press, M. C. 390, 840, 2123-2124, 2126, 2992, 2998-2999, 3426
Preston, C. 1124, 1145, 1540, 2341, 4944
Preston, C. D. 3874
Preuss, G. 3668
Preuss, M. 4963
Prévost, M. 809
Price, C. E. 1515
Price, J. S. 3867
Price, R. J. 4491
Prieto, J. A. F. 2101
Principi, M. M. 4602
Printz, H. 3644, 3669-3670, 4526
Printz, P. 4990
Prinzie, T. P. 440
Prior, C. 2713
Prior, D. A. M. 1519, 2269, 2694
Pritchard, D. W. 1559
Pritts, M. P. 4226, 4665, 4667
Privman, M. 3121
Procházka, S. 643
Proctor, G. 2069, 5099
Prohmchum, C. 949, 2848
Prokhorov, V. A. 1968
Prokopy, R. J. 2869
Proksch, P. 1695-1697
Prosch, S. D. 2280
Prostko, E. P. 1599
Proteau, L. 408, 2149
Protić, L. 4842
Provan, W. M. 603
Proven, M. J. 265, 275
Prueger, J. H. 1857, 4915
Pruitt, R. E. 3467
Prusty, J. C. 1642, 4938
Pruszyński, S. 719, 2589
Przemeck, E. 1102
Przepiorkowski, T. 2219
Przysiecka, M. 799
Pshonkin, M. Yu. 3793
Pszczółkowski, J. 2888
Puapairoj, P. 1065
Puchala, R. 1920
Pudełko, J. 4209, 4640
Puente, R. A. 2117
Pühler, A. 200
Pujadas, A. 2217, 2231-2232
Pujadas-Salvá, A. 2945, 2973
Pullaiah, T. 3476
Pullen, S. 2294
Pülschen, L. 483, 2806
Punia, S. S. 1991
Puponin, A. I. 3740
Purba, E. 4944
Purcell, M. 2149
Purcell, M. F. 4258
Purcino, H. M. A. 305
Puri, U. K. 5140
Puricelli, E. C. 2214
Purohit, K. K. 758
Purohit, M. C. 3419
Purrington, C. B. 2677
Pushpa Koul 2179
Pusino, A. 1909, 2750

Puspita, N. F. 4933
Pusztai, P. 1985
Putnam, K. T. 4706
Putterill, J. 533
Putterman, G. J. 3595
Putwain, P. D. 4413
Pütz, N. 8
Pyke, D. A. 2169
Pylypiw, H. M., Jr. 4481
Pyon, J. Y. 1512, 2345, 2365, 2449, 2772
Pywell, R. F. 4413
Qasem, J. R. 2220, 2931, 3918, 3941, 4161, 4354, 4385, 4795
Qi, M. Q. 1267
Qian, Q. 2386
Qian, Y. L. 4700
Quail, P. H. 4820
Quarmby, C. 2137
Quédraogo, O. 3000
Quémerais, B. 3136
Querner, E. P. 2578
Querns, R. 3124
Quezado-Soares, A. M. 3982
Quick, W. A. 736, 1151, 1577, 1925, 1932, 2770, 3188, 4545, 4971
Quin, P. 3732
Quinn, J. A. 1108, 2172
Quinn, J. F. 4804
Quinn, J. P. 1105, 4930
Quinn, P. J. 1837
Quiñones, N. C. 3014
Raab, H. 2099
Rabaey, T. L. 2431
Rabha, M. K. 3746
Racchi, M. L. 4106, 4116
Rachmawati, I. 3365
Racho, M. 760
Rachon, A. 676
Răclea, C. 1051
Rácz, J. 4628, 4750
Radat, A. 3533
Radder, G. D. 2021
Radecki, A. 1986
Rademaker, M. 1896
Radford, B. J. 270
Radics, L. 1985
Radosevich, M. 4523
Radosevich, S. R. 363, 1740, 3742
Radtke, H. 831
Radwan, F. I. 759
Radwan, M. A. 817
Radzivil, V. H. 4119
Rae, J. E. 3642
Rafey, A. 4232
Raffi, G. M. 166
Rafii, S. 3261
Ragazzi, F. 468
Raghav, N. 3157
Raghavendra, A. S. 3088
Raghu, J. S. 784, 2467
Raghunathan, R. 3142
Ragozza, L. 3579
Ragozzino, A. 2780
Rahe, J. E. 2318
Rahima, K. 3008
Rahkonen, J. 3884
Rahman, A. 175, 639, 1786, 3053, 3337, 3454, 3903, 4028, 4068, 4123, 4197-4198, 4222, 4500
Rahman, A. S. M. A. 3006
Rahman, F. 3283
Rahman, M. 3871
Rahman, M. A. 293
Rahman, M. S. 2804
Rahmatullah 1992
Rai, P. V. L. 3878
Rai, R. K. 766
Rai, R. M. 3382
Rai, U. N. 2553, 4739
Raikes, C. 2236-2237
Raikwar, K. K. 3310
Raimond, Y. 4085
Raimondo, E. 1911
Raina, M. K. 551
Raina, S. S. 4661
Raina, U. 551
Raio, A. 2780
Raizada, R. B. 4896
Raj, V. C. 5090
Raj Singh 2836
Raja, V. 747
Rajagopal, A. 1905, 4627
Rajak, N. 2465
Rajak, R. C. 4433
Rajamani, S. 1614
Rajapakse, C. N. K. 3111
Rajender Singh 2047, 4797, 5040
Rajesh Sharma 2043
Rajnović, S. 2529
Rajput, A. L. 2042
Rajput, R. L. 3257
Rajsekhar Dutta 4186
Raju, C. A. 2801, 2963, 5159
Raju, J. 123
Raju, R. R. V. 1369, 3482
Raju Kumar 3005
Rakićević, M. 2056, 4662
Rakonczay, Z. 3603
Ralph, E. 749
Ralphs, M. H. 1261, 3402, 3850-3851
Ram, M. 2664
Ram Kishun 3103
Ramachandrappa, B. K. 4191, 4231
Ramade, F. 3610
Ramakrishna, A. 3747
Ramamoorthy, K. 2030, 5074
Raman, S. 1489, 4069-4070
Ramans, M. 4757
Ramanujam, V. M. S. 2287
Ramasamy 4145
Rambow, J. 617, 624, 1088, 1915
Ramdin, D. 1200
Rameau, C. 263
Ramesh, P. 4257
Ramesh Chand 3103
Rametta, M. 2618
Ramon, H. 691
Ramos, C. 4515
Ramos, J. A. de O. 305
Ramsdell, H. S. 2742
Ramsell, J. 2659
Ramteke, J. R. 2881
Rana, B. C. 2358
Rana, M. A. 1213
Rana, M. K. 3351
Randall, J. M. 454
Randall, P. J. 1836
Randall, R. P. 438, 975
Randell, B. R. 4780
Ranells, N. N. 757
Ranfa, A. 2614
Rangasamy, A. 5092
Rangelrooy, D. S. van 563
Rani, D. 2546
Ranie, J. 4280
Rankins, D. L. 1585
Ransom, J. K. 2827-2828, 3002, 3272
Ranvir Singh 3817
Rao, A. G. A. 227
Rao, A. S. 466, 4629
Rao, B. S. S. 836
Rao, D. R. 3812
Rao, G. G. 2235
Rao, K. R. 2841
Rao, K. S. 5042
Rao, K. V. 710, 2841
Rao, M. V. B. 653
Rao, N. S. 4304
Rao, P. 5175
Rao, P. C. 4070
Rao, P. G. 2841
Rao, P. S. 647, 1351
Rao, P. S. C. 140
Rao, P. S. N. 3913-3914
Rao, P. V. S. 836, 3412
Rao, R. R. 1358
Rao, V. N. 3861
Rao, W. K. 1961
Rapp, G. 3991
Rapparini, G. 794-795, 1594, 1995, 2062, 2078, 2444, 2809, 3353, 3752-3753, 3783, 3804, 4182, 5091
Rappe, C. 3151
Rascio, N. 1710
Rashid, N. 3624
Rasins, E. 2926
Raskin, M. S. 753
Rasmussen, G. 3494
Rasmussen, I. A. 3766
Rasmussen, J. 3751, 3773, 4156
Rasmussen, J. B. 3863
Rasmussen, K. 3773
Rasmussen, P. E. 4375
Rassini, J. B. 3797-3798
Rastrelli, L. 3534
Ratajczyk, G. 724, 3935, 4158, 4609
Rath, B. 419
Räth, N. 1695-1696
Rathor, N. M. 3224
Rathore, A. L. 2023
Rathore, S. S. 2064
Ratliff, R. L. 3681, 4642
Ratsch, H. C. 4098
Rauchalles, S. 2294
Raun, W. R. 3830
Ravalli, C. 4892
Ravanel, P. 1142
Ravelli, A. 2722
Raven, J. A. 3445
Ravender Singh 2235
Ravi, K. B. 4627
Ravichandran, V. K. 2843
Rawlings, J. M. 603, 1061
Rawson, D. M. 129
Rayburn, A. L. 4042
Raychaudhuri, S. P. 3812
Rayfuse, L. M. 443
Raynal-Roques, A. 2991, 3000, 3430, 3892
Rayner, D. R. 1938
Razo, J. A. T. 4217
Re, A. A. M. del 3579, 3652
Réal, B. 3650, 5020
Reaney, M. J. T. 2697
Reavey, C. 658
Rebandel, Z. 799
Rebecchi, M. 4106
Recasens, J. 2167, 2218
Reckmann, U. 225
Redbo-Torstensson, P. 987
Reddi, C. S. 909, 1347
Reddy, C. A. 4931
Reddy, D. C. 166, 1484, 4052, 4056
Reddy, D. S. 1489
Reddy, K. A. 3355
Reddy, K. N. 568, 1084, 1913, 4512, 4917
Reddy, M. N. 3355
Reddy, R. A. 3126
Reddy, R. G. 768
Reddy, S. J. 4052
Reddy, T. B. 909
Reddy, T. Y. 2026, 3293, 3788
Reddy, V. S. 2481, 3322
Redfern, M. 94
Redman, R. E. 1206
Ree, D. W. 2234
Reed, A. N. 317
Reed, D. P. 807
Reed, D. W. 3976
Reed, T. 1169
Reeder, J. A. 3376
Reeleder, R. D. 543
Rees, T. A. 4822
Rees, T. ap 2264
Reeve, D. N. 3768
Reeves, G. L. 3643
Reeves, R. D. 1771
Reeves, T. G. 4201
Regehr, D. L. 1192, 3735
Regier, C. 333
Regnier, E. 2657
Regnier, E. E. 2655, 2658, 3031
Reichard, D. L. 1549, 1551-1552
Reichert, B. 4934
Reid, E. J. 344
Reid, N. 2547
Reidy, M. E. 1190, 1720
Reif, J. S. 2742
Reiling, K. 2695, 3527, 3969
Reimann, C. 1835, 3925
Reimer, P. 1291
Reina Mulero, J. 2197
Reinartz, J. A. 417
Reiner, H. 4427
Reinhardt, C. F. 485, 1518, 1601, 2777, 3129, 4101, 4200, 4212
Reinken, G. 3637
Reinold, D. 659
Reints, J. S. 3381
Reisch, B. I. 3184
Reiser, R. W. 2740
Reiss, G. C. 3429
Rekhis, J. 2536
Rektorik, R. J. 3832
Relova, R. A. 3049
Remoy, J. 581
Rempe, E. Kh. 127, 4479
Remund, U. 3344
Ren, L. 1295
Renard, M. 459
Renaudin, S. 1682
Rendina, A. R. 2795, 4008
Rengach, P. N. 1968
Rengel, Z. 4948
Rennenberg, H. 2119
Renner, K. 2469
Renner, K. A. 4646, 5071
Rensen, J. J. S. van 3213
Renwick, A. B. 4491
Renzaglia, K. S. 5010
Répási, J. 572
Requier, M. C. 1373
Rerie, W. G. 537
Reschke, M. 3200
Restuccia, G. 1981
Rethman, N. F. G. 4200
Retzlaff, G. 1947, 4118
Reus, J. A. W. A. 149, 4884
Reuss, J. 2997
Reuveni, R. 5191
Revsbech, N. P. 1704
Rew, L. J. 969
Rexilius, L. 4030
Rey, C. 1345
Reyes, F. 491
Reynolds, D. A. 4625
Reynolds, D. B. 1724, 2036, 2202, 2211, 3312
Reynolds, G. J. 3181
Reynolds, J. 4456
Reynolds, J. F. 1256
Reynolds, P. E. 4242, 5119-5120
Reynolds, P. M. 2742
Reynolds, W. D. 169
Rhodenbaugh, E. J. 341, 820-821
Riaz, Z. 2862
Ribaudo, M. O. 1176
Ribeiro, A. R. 268
Ribeiro, J. J. 2229
Ribeiro, L. R. 389, 4897
Ribéreau-Gayon, G. 5156
Rice, C. H. 3149
Richard, E. P., Jr. 788, 790, 1229, 5095
Richards, J. 4993
Richards, M. C. 273, 937
Richards-Haynes, C. 1201
Richardson, C. J. 5148
Richardson, D. M. 5129, 5138
Richardson, D. R. 1784
Richburg, J. S., III 1127, 1644, 2503, 3680
Riches, C. R. 397-398, 3220, 4094
Richter, A. 393, 2120
Richter, E. 1908
Richter, O. 2322
Rickard, W. H. 4783
Rico, A. G. 245
Rico, E. 2245
Rideau, M. 1508, 2268
Ridge, I. 2150
Ridley, S. M. 4565
Riebel, A. von 1883
Riechers, D. E. 1517
Riederer, M. 3708
Riegel, A. 4837

Riegner, K. 4873
Riego, D. C. 4703
Riemenschneider, D. E. 3685
Riemer, D. 1640
Riera, J. L. 402
Rieseberg, L. H. 918
Riess, F. 3656
Riet-Correa, F. 385
Riganti, V. 1470
Riggle, B. D. 1958
Rigueiro, A. 2196, 2426
Riise, G. 622, 1096-1097
Rijnders, J. G. 2768
Rijnders, J. H. G. M. 1708
Riley, D. 150, 3598
Riley, I. T. 3990
Riley, M. B. 142, 626, 2732
Riley, R. T. 3221
Řimovský, K. 1330
Rincones, C. 1652
Rindone, B. 3550
Rines, H. W. 21
Ríos, A. 4019
Rios, A. C. C. 389, 4897
Rios, G. P. 305
Ríos, S. 2633-2634
Rioux, R. 2845-2846
Rispoli, V. 159
Rissler, J. 17
Rist, D. L. 5085
Ristau, E. A. 310
Ritchie, M. E. 552
Ritter, C. 4430
Ritter, R. L. 3251
Ritter, W. F. 2721
Rivas, E. B. 548
Rivas, M. 749
Rivera, J. 3125
Rizzotto, M. 2619
Ro, K. S. 4516
Roam, G. D. 1861
Robbins, J. 3105
Robbins, N. S. 1019
Robert, D. 3528
Robert, P. C. 2753, 4920
Robertis, A. de 3122
Roberts, G. 868
Roberts, J. L. 424
Roberts, M. F. 4830
Roberts, M. R. 361
Roberts, W. P. 695
Robertson, A. M. 1864
Robertson, B. K. 182
Robertson, D. J. 1253
Robertson, J. M. 4535, 4537
Robertson, K. R. 462
Robertson, L. D. 3950
Robertson, L. N. 555
Robertson, M. C. 1253
Robertson, S. 4492
Robinson, D. K. 207, 2009, 2388
Robinson, G. R. 977, 4377, 4804
Robinson, J. 3832
Robinson, J. W. 4516
Robinson, S. A. 3084
Robinson, T. H. 4981
Robinson-Beers, K. 4834
Robledo, A. 2633
Robles, R. P. 2223, 3179-3180
Robles-González, M. 3541
Robson, A. D. 1946
Robson, F. 533
Roby, D. 3922
Roca, M. 2515
Roccuzzo, G. 4844
Rocha, F. 4503
Roché, B. F., Jr. 954
Roché, C. T. 954
Rochefort, L. 928
Rocio Estrella, M. 4507
Rodelas, B. 1498
Rodella, R. A. 657, 1349, 3469
Roden, M. J. 4242, 5119-5120
Rodenkirchen, H. 1842
Roder, W. 476
Rodermel, S. R. 87
Rodgers, K. 4039
Rodkiewicz, B. 1427
Rodrigues, B. N. 4504
Rodriguez, I. 1940
Rodriguez, L. 3049
Roelofs, J. G. M. 2143, 3865
Roeth, F. W. 4643
Roger, P. A. 3177
Rogers, B. L. 540, 1674
Rogers, K. H. 3437
Rogers, W. A. 1483
Roggenbuck, F. C. 1922
Rogiers, L. M. 1565
Rogozynski, M. W. 2520
Rohitashav Singh 2651
Rohr, R. 1924, 4415
Rohrer, J. R. 462
Roinestad, K. S. 4018
Roisin, C. 4085
Roitberg, B. D. 1013
Roitsch, T. 4837
Rojas, C. E. 286
Rojas, E. 1604, 2254
Rojatkar, S. R. 1846
Rola, A. C. 1734
Rola, H. 2212, 2810, 3779, 4100, 4151, 4159, 4482
Rola, J. 493, 725, 1563, 3592, 3779, 3828, 4079, 4157, 4168-4169
Roldán, M. 2605
Rolland, T. 1304
Román, F. M. 1232
Romani, G. 3872
Romano, M. 158
Romano, M. L. 4407
Romera, E. 1123, 2357, 4548
Romero, E. 2361
Romero, J. 93
Romero Bujan, M. I. 2186
Romo, J. T. 892, 1206, 2459, 3302, 4329
Romstad, R. 1076
Romstöck-Völkl, M. 3539
Ron, A. M. de 2196, 2426
Roncoroni, E. 5037
Ronnen, M. 4893
Rood, S. B. 1503
Room, P. M. 1294
Rooyen, M. W. van 3895
Roperia, S. 3683
Rosario, A. del 581
Rose, D. A. 3629
Rose, J. A. 1824
Rose, S. C. 1313
Rosen, D. 5186
Rosen, J. D. 4018
Rosen, R. T. 4018
Rosenberger, D. A. 5085
Rosenthal, S. S. 104
Rosentreter, R. 2222
Roslon, E. 1951
Rosmann, R. L. 256
Ross, J. A. 2164
Ross, J. B. 220
Ross, T. T. 2542
Rossi, F. S. 1318
Rossi, G. S. 4939
Rossi, R. E. 1383
Rost, K. 793
Rostański, K. 2641
Roszak, W. 1986
Roth, L. 2595
Rothrock, P. E. 2170
Rotiewicz, D. 4100
Rotiroti, D. 159
Rotteveel, A. J. W. 950
Rouchaud, J. 232, 1078, 4084-4085
Roush, M. L. 3077, 3742
Routray, P. K. 152
Roux, C. 4467
Rowiński, R. S. 681, 3701
Rowland, M. A. 2302
Roy, D. K. 3786
Roy, J. 2559
Roy, K. W. 544
Roy, S. 409
Roy, W. R. 4875
Różalski, K. 4124
Rozentsvet, O. A. 1309, 4743
Rozier, J. P. 779
Ru, B. G. 406
Rubach, K. 4469
Rubboli, V. 2807, 2809
Rubenis, E. Ya. 3756
Rubets, N. M. 3258
Rubin, B. 1497, 1660, 1910, 2964
Rubio, F. M. 1877
Rubow, T. 3744
Rudd, N. T. 1266
Rude, B. J. 1585
Rudelle, J. 198
Rüdiger, W. 3214
Rudkevich, D. M. 3228
Ruecker, N. J. 3436
Rüegger, H. 4276
Ruesink, J. L. 4395
Ruff, T. G. 4888
Ruggiero, P. 3163
Ruhigwa, B. A. 249
Ruiter, H. de 1167
Ruiz, L. M. P. 1109
Ruiz, L. P. 509
Ruiz, S. 3571
Ruiz-Belin, F. 3980
Ruiz Rejón, C. 3102
Ruiz Rejón, M. 3102
Rumak, V. S. 4895
Rumeau, D. 4828
Runge-Metzger, A. 3428
Runham, S. R. 1313
Rupp, E. 1040
Rupp, E. B. 3121
Ruppert, T. 1871
Rushing, D. W. 1972
Rusińska, A. 2629-2630, 2661
Ruso, J. 2961
Russ, O. G. 1192
Russell, A. W. 3084
Russell, C. 971
Russell, P. E. 1154
Russo, N. 1683, 2121
Ruth, B. 4562
Ruth, G. R. 2914-2915
Rutledge, R. 2371
Ryan, F. J. 3439
Ryan, M. 5088
Ryan, P. 4757
Ryan, P. J. 315
Ryang, H. S. 2345, 2835
Ryang, W. J. 1804
Rybus, I. D. 3451
Rydahl, P. 2412, 3744
Rydberg, T. 4140, 4175-4176
Ryder, J. P. 3369
Rydin, H. 3050
Rymaszewski, J. 4216
Ryoo, I. J. 3248
Ryser, J. P. 3344
Ryu, G. H. 1397, 1949, 2015-2016, 2448, 2577, 2834, 2839, 3017, 3055, 3189-3190
Rzemykowska, Z. 3091
Rzeszutek, I. 5031
Rzozi, S. B. 3510
Sá, G. 2227
Saad, B. 4466
Saavedra, M. 2161, 2199, 3029, 3818
Saavedra, M. S. 4386
Saavedra del Río, M. 2962, 2989
Saavedra H., M. E. 96
Saba, P. 4487
Sabadie, J. 4003
Sabar, M. 613
Saber, H. A. 1686, 2856, 2958
Sabik, H. 4865
Sabljić, A. 2911
Saccol, A. V. 3497
Sack, F. D. 854
Sack, S. 3975
Sackville Hamilton, R. N. 4338
Sadeghi, A. M. 1090, 2335, 2756, 4027, 4076, 4508
Sądej, W. 4680
Sadoun, F. 2725
Sadowski, J. 143-144, 3592, 3706, 4079, 4462, 4482
Sadowski, T. 2422, 5031
Saeed, M. 4737
Saez, A. 2307, 4515
Safta, S. 1898
Sagatova, G. A. 1060
Sago, R. 2424, 4334
Sah, S. K. 326
Saha, G. P. 2823, 5043
Saha, H. M. 743
Saha, J. 4525, 4525
Sahid, I. B. 4066
Sahile, G. 3760
Sahoo, U. K. 3904
Sahu, G. P. 152
Sahuquillo, E. 2225
Said, S. I. 3600
Saidi, S. 3986
Saigusa, M. 3470
Saikia, C. N. 4301
Saikia, L. R. 3515
Saikia, T. P. 3295
Saimbhi, M. S. 3316
Saini, J. P. 328, 5094
Saini, R. K. 99
Sainty, G. R. 3442
Sairam, R. K. 3090
Saito, K. I. 1135
Saito, S. 2315, 4288
Saiyad, M. R. 3285
Sajeda Begum 3008
Saji, H. 3196
Sajwan, K. S. 2135
Sakaki, M. 1862, 3552
Sakaki, T. 4956
Sakoda-Hoshi, M. 3673
Salah, I. O. 2965
Salah el-Deen, M. A. 1483
Salam, A. Z. E. 1474
Salam, U. 5139
Salas, M. 2195
Salazar G., O. 4979
Salazar Guerra, O. 4979
Salbu, B. 622
Saleeb, S. R. 2958
Saleh, M. A. 575, 592
Saleh, M. I. 4466
Saleh, N. A. M. 1435
Salem, M. H. 4490
Salem, S. E. 2058
Salembier, J. F. 1582
Salera, E. 785
Sales, L. A. 389
Salgado, L. T. 305
Salinas, F. 4239
Salinas, J. 2605
Saliot, A. 4033
Salisbury, C. D. 729, 5127
Sallé, G. 3000, 3430, 3892, 4273-4274
Salmeron, V. 1498
Salmona, M. 158, 1476
Salomonson, A. 1378
Salonen, J. 494, 733, 3951
Salonen, V. 490
Saltabaş, Ö. 848, 3862, 4295
Salum, M. S. 3991
Salunke, V. D. 1226
Salvadei, F. 2814
Salvadori, D. M. F. 389, 4897
Šály, J. 4047
Sályi, G. 5149
Samant, S. S. 3860
Samejima, M. 4746
Samersov, V. F. 253, 3748
Sammartano, S. 3122
Sammler, P. 3195
Šamota, D. 2466
Sampaio, A. W. 742
Samperi, R. 4013
Samples, D. H. 4706
Samson, E. 1278
Samunder Singh 1990, 2504, 3263
Samusik, D. I. 738
Sanchez, C. A. 2207
Sanchez, M. J. 2580
Sánchez, R. A. 4327, 4762
Sanchez-Baeza, F. 4916
Sánchez-Brunete, C. 118, 1869
Sánchez-Camazano, M. 3620
Sánchez de Lorenzo Cáceres, J. M. 2634
Sánchez del Arco, M. J. 2159
Sánchez-Hernández, J. C. 4505
Sánchez-Martín, M. J. 3620

Sánchez-Mateos, V. A. 2879
Sanchis, A. 3061
Sancho-Llopis, J. V. 4010
Sand-Jensen, K. 850, 1704
Šandal, K. 4450
Sandbrink, J. J. 1573-1574
Sanders, P. 3337, 3454, 4197-4198
Sanderson, R. 220
Sanderson, S. C. 1368
Sanderson, W. T. 4492
Sandha, G. S. 2787
Sandhu, B. S. 2517
Sandhu, K. S. 2019-2020, 3066, 3316
Sandmann, G. 1533, 1833, 1941, 2792, 4448, 4561, 4564
Sándor, M. W. 2718
Sandroni, M. 3922
Sands, D. C. 103
Sandvik, M. 1071
Sanemitsu, Y. 1862, 3552
Saner, M. A. 1442, 4343
Sani, Y. 5150
Sanitrak, J. 1482
Sanjay Mishra 2129
Sankaran, S. 1788, 2447, 4509
Sankari, S. 4145
Sankhla, D. 3685
Sankhla, N. 3685
Sannino, F. 4529
Sans, F. X. 911, 2173, 2246, 4338
Sansamma George 4630
Santacroce, C. 65
Santha Devi 3447
Santhosh Nampy 1713
Santi, R. 767
Santillo, D. J. 4063
Santolucito, J. A. 576
Santori, M. 3549
Santos, A. 4532
Santos, J. W. dos 2201
Santos, R. 385
Santoso, H. 4458
Sanwal, G. G. 2129, 4735
Sanz, A. 2508
Sanz de Bremond, C. 1680
Sar, A. 3286
Saraceno, R. A. 2052
Saraf, C. S. 765
Saraswat, V. N. 3746
Sárdi, K. 4765
Sarika-Hatzinikolaou, M. 4299
Sarkar, S. N. 1066, 3155
Sarli, G. 5068
Sarma, J. C. 2342
Sarma, M. 2842
Sarma, S. 2342
Sarma, S. K. 1794, 3515
Saroja Raman 4070
Sarpe, N. 5023
Sasaki, H. 1164, 3901
Sasaki, K. 2918
Sasaki, S. 3840
Sasaki, T. 5000
Sasano, H. 114, 4446
Sashida, Y. 66
Sasongko, D. 4458
Sastroutomo, S. S. 3030, 4318
Satao, R. N. 1193, 2850, 4167, 4206
Sathiamoorthy, V. R. 846
Sato, J. 1862
Sato, K. 4637
Sato, M. 3530
Sato, R. 3216
Sato, S. 3032
Sato, Y. 2369, 3693, 4563
Satta, V. 2615, 2904
Satter, M. A. 763
Sattin, M. 468, 2579
Sattler, U. 716
Saturnino. P. 3534
Satyanarayana, V. 2000
Sauer, N. 74, 88, 2693
Sauerborn, J. 761, 893-894, 1693, 2854, 2859, 2919, 2975, 4732-4733
Sauerborn, S. 2806
Saunders, J. W. 666
Saura, A. 1417
Savage, D. C. 4706
Savage, T. 3148
Savary, S. 748
Savi, D. 4977
Saville, D. 3945
Saville, D. J. 861, 5060
Savostikov, S. D. 1980
Savva, A. P. 4120
Sawaikar, D. D. 1846
Sawhney, R. 186
Sawhney, V. K. 1509
Sawicka, B. 674
Saxena, D. B. 1400
Saxena, H. O. 3485
Saxena, M. C. 212, 879, 1684, 1775, 2859, 4208, 4648
Saxton, A. M. 2202, 2211
Sbrilli, G. 4050
Scacchi, A. 1546
Scalla, R. 671, 3212
Scanlan, J. C. 4398
Scarponi, L. 3672, 3696
Scarratt, J. B. 202
Schade, V. 4307
Schäfer, C. 511, 996, 3085
Schapendonk, W. 2948
Schappert, P. J. 3966
Schatz, B. G. 5026
Schaum, J. L. 590
Scheepens, P. C. 4441
Scheffer, M. 4294
Scheidegger, A. 2796
Schemske, D. W. 951, 4781
Schertz, K. F. 4344
Schettino, O. 3534
Scheufler, H. 4037
Scheunert, I. 1048
Schewes, R. 1044, 3656, 4922
Schiavon, M. 620-621, 4877
Schiefelbein, J. W. 450, 2271, 3101
Schierenbeck, K. A. 2105
Schiffers, B. 684
Schiffman, P. M. 1413
Schilling, M. 3619
Schippers, P 2937
Schisler, D. A. 4443
Schlaak, M. 374, 4716
Schlaeppi, J. M. A. 1462
Schlather, K. J. 5
Schlatmann, E. G. M. 2540, 4352
Schlee, D. 2364
Schleicher, L. C. 2894
Schlenk, D. 1478
Schlenvoigt, G. 827
Schleufer, I. 4643
Schlichting, C. D. 4406, 4814
Schlitt, H. 4036
Schloss, J. V. 1938
Schmelzer, C. 3539
Schmid, B. 910
Schmid, R. D. 135, 1046, 1459, 1461, 1545
Schmid, V. 511, 996
Schmider, F. 2322
Schmidt, H. U. 5005
Schmidt, J. R. 3306
Schmidt, M. 1041, 1053, 2564
Schmidt, R. 533, 4037
Schmidt, R. E. 2095
Schmidt, R. R. 4561
Schmidt, S. 956
Schmidt, W. 1828, 3089
Schmidt, W. F. 4454
Schmitt, A. 4600
Schmitt, J. 405, 960, 1742, 1818
Schmitt, P. 4020
Schmitt, T. M. 121, 1036
Schmitz, A. 4057
Schmitz, J. R. 4873
Schmitz, M. 1379
Schmuck, R. 4908
Schmülling, T. 2765
Schnabl, H. 4378, 4536
Schneegurt, M. A. 424, 2374
Schneider, A. 2119
Schneider, B. 199, 201
Schneider, F. M. 3497
Schneider, G. 201
Schneider, J. 4902
Schneider, P. G. 1042
Schneider, W. G. 193
Schneitz, K. 3467
Schnell, H. 761, 2975
Schnorr, K. M. 76
Schoenau, J. J. 2290
Schoenig, S. 3130
Scholes, J. D. 1839
Scholten, G. 2390
Scholz, H. 4345
Schönherr, J. 1923, 3708, 4093
Schottler, S. P. 1884, 4478
Schöttler, U. 3667
Schrader-Fischer, G. 838, 1681
Schramm, G. 374
Schreiber, A. 4223
Schreiber, K. 201
Schreiber, M. M. 288, 1079
Schroder, H. 836
Schröder, J. J. 4601
Schroeder, J. 2321, 2493
Schroeder, J. I. 1113
Schrott, M. 216
Schroyer, B. R. 4463
Schubert, B. 3704
Schubert, R. 2103
Schulke, G. 1575
Schultheis, J. R. 2009
Schultz, I. R. 1069
Schulz, M. 4378, 4536
Schulze, E. D. 1375-1376
Schumann, A. W. 4360
Schumann, H. 481
Schupp, R. 2119
Schuster, R. 1885
Schütte, H. R. 199, 201
Schütz, S. 115
Schuytema, G. S. 607
Schwab, A. P. 2720
Schwarz, A. 547
Schwarz, A. M. 1303
Schweizer, E. E. 178, 2432, 3743, 4368
Scolnik, P. A. 72-73
Scopel, A. L. 1740
Scopel, E. 473
Scott, D. 37
Scott, D. T. 3231
Scott, H. D. 1467
Scott, J. A. 4148
Scott, J. E. 2375, 3334
Scott, J. K. 825
Scott, R. C. 2418, 3148
Scott, S. V. 538
Scow, K. 258
Scribe, P. 4033
Searle, H. 4255
Seaton, G. G. R. 3084
Seavy, M. A. 1502
Seawright, A. A. 2917
Sebastian, J. R. 5061
Sechin, A. 385
Secor, G. A. 2343
Sediyama, M. A. N. 3331
Sediyama, T. 2863
Seedling News 775
Seefeldt, S. S. 985, 4969
Seehy, M. A. 4490
Seel, W. E. 2123-2124, 3426
Seemüller, E. 3985
Segarra-Carmona, A. E. 2709
Segers, G. 82, 90
Seguy, L. 655
Seiber, J. N. 4022, 4457, 4915
Seiler, A. 3588
Seiler, J. R. 193, 5132
Seipel, M. 4378
Seki, Y. 1195
Sekkat Khadija 2956
Selby, C. 658
Selim, H. M. 1085, 2754, 4921
Selisker, M. Y. 2728
Selitskaya, O. V. 3723
Sells, J. E. 3750
Selman, F. 3714
Selmeczi, J. 4673
Semko, V. T. 737
Semple, W. S. 1669
Sen, A. K. 2139, 2557
Sen, D. N. 4619, 4761
Sen, N. 3227
Senčič, L. 2565
Senekal, J. 4200
Senesac, A. F. 1318, 3385, 3451
Senesi, N. 3165
Senft, D. 3408
Senseman, S. A. 1453, 3140
Sentenac, G. 3815
Sentinel 1581
Seong, N. S. 2897
Sepahi, M. 3897
Sereda, B. 3076
Sergeev, G. Y. 1968
Sergiev, I. 2778
Seryapin, A. A. 1548, 1664
Seta, G. 724
Settimi, L. 156
Sewify, G. H. 3536
Seyani, J. H. 397
Seynnaeve, M. 5069
Sgardelis, S. P. 1977
Shabana, Y. M. 4287
Shackleton, K. R. 1207
Shad, R. A. 1191
Shafi, M. 1230
Shafii, B. 1415, 2685
Shafron, M. 4306
Shafroth, P. B. 3397
Shah, M. L. 1230
Shaheen, S. B. 700-701
Shahjahan, M. 3006
Shaikh, A. A. 5039
Shakila, T. M. 4304
Shakir, A. S. 2705
Shaltou, K. H. 2239
Shaltout, K. H. 4787
Shambulingappa, K. G. 4214
Shamebo, D. 1781
Shaner, D. 1936
Shaner, D. L. 1156, 1536, 3207, 3219
Shankaranarayana, V. 2481, 3322
Shanks, C., Jr. 4223
Shannon, P. J. 286
Shao, Z. Q. 4519
Sharitz, R. R. 904, 2105
Sharma, A. 4725
Sharma, A. R. 3782
Sharma, D. K. 796
Sharma, H. L. 2531
Sharma, K. L. 796
Sharma, M. 1356, 3488
Sharma, M. L. 5065
Sharma, M. P. 54, 2257, 3516
Sharma, N. 2179
Sharma, N. K. 1357
Sharma, P. P. 774
Sharma, R. 670, 2043
Sharma, R. K. 765, 5065
Sharma, R. P. 2342
Sharma, R. S. 1211
Sharma, S. 1800
Sharma, S. D. 1962, 3229
Sharma, S. K. 4422
Sharma, S. N. 3446
Sharma, S. P. 656
Sharma, U. C. 4184
Sharrock, R. A. 83
Sharrow, S. H. 3366
Shatilova, T. I. 737
Shaukat, S. S. 2600
Shaw, A. J. 3833
Shaw, D. R. 2154, 2468, 2470-2471, 3681, 3796, 4642
Shaw, J. J. 2715
Shaw, L. J. 4932
Shaw, R. G. 56, 4404
Shawe, K. G. 1689
Shaxson, L. J. 397
Shay, J. M. 1292
Shea, P. J. 2894
Sheahan, D. A. 2558
Sheeley, S. 2170
Sheets, T. J. 2757
Shehata, S. A. 4534
Shek, P. N. 4899
Shekhar, C. 1356
Shekhawat, P. S. 2484
Sheldon, Y. 4583
Sheley, R. L. 2250

Shelke, D. K. 1226
Shelton, D. R. 1487, 4508
Shengwen, Z. 4196
Sheoran, R. S. 1991
Shepherd, T. R. 111
Sheppard, A. W. 1012, 4767, 4841
Shereen, A. 3690
Shergill, T. S. 1641, 2402
Sherief, P. M. 1293
Sheriff, N. M. 2519
Sherin Khan 1992
Sherry, J. 4062
Sherwood, A. J. 1313
Shestakov, S. V. 3203
Shestakov, V. G. 753, 1554, 4026
Shi, X. H. 4174
Shi, Y. F. 4941
Shibata, H. 3216
Shibata, Y. 3132
Shibayama, H. 4187
Shibuya, K. 3470
Shibuya, T. 3394
Shih, R. D. 4717
Shilling, D. G. 132, 1725, 1787, 2207, 2209, 3124, 3452, 4103
Shimabukuro, R. H. 677, 2372
Shimizu, T. 4570
Shimmen, T. 4288
Shimokawa, K. 3972
Shimono, S. 1163, 3702
Shin, D. H. 1355, 1523, 2223, 2349, 3179-3180
Shin, D. I. 2352
Shin, H. S. 1342, 1522, 1927, 2175, 2448, 2783, 2834, 3189-3190
Shin, J. S. 3535
Shin, W. K. 2604
Shindrova, P. 2946, 2971
Shinose, M. 107, 3192
Shinozaki, K. 189, 3100
Shintani, S. 3147
Shioda, H. 4480
Shioi, Y. 3087, 3972
Shiokawa, K. 4448, 4561
Shiomi, K. 3192
Shiota, N. 4956
Shioya, H. 4542
Shipitalo, M. J. 1091
Shipley, W. 1772
Shirai, M. 1481
Shiraishi, H. 2301, 3682
Shirakura, S. 5046
Shireman, J. V. 5192
Shirmohammadi, A. 627, 4076-4077
Shivakumar, H. R. 4244
Shivanandaiah, M. P. 4214
Shiver, B. D. 353
Shivhare, P. 123
Shiwaku, K. 4044
Sholar, J. R. 874
Shomer-Ilan, A. 2952
Shon, B. K. 1928
Shoop, M. C. 4634
Shore, J. S. 2274, 3966
Shorthouse, J. D. 557, 828
Shoukat Ara 1362
Shrefler, J. W. 2207, 2209
Shrivastava, J. L. 3483
Shrivastava, U. K. 3257
Shugart, H. H. 962
Shukla, A. K. 1104
Shukla, D. S. 3090
Shukla, P. 2763
Shukla, R. 3149
Shukri, M. S. 3461
Shul'ga, O. A. 4553
Shumate, C. B. 3575
Shumway, D. L. 1381, 4358
Shuruhin, Yu. V. 2759
Shvartau, V. V. 3228
Siame, B. A. 2995
Sidhu, S. S. 4243
Sidorov, V. I. 3723
Sidorskiĭ, A. G. 1348
Sieber, T. N. 2898
Siebke, K. 3971
Sieczka, J. B. 3451
Sieg, C. H. 1208
Siegenthaler, P. A. 1673
Siegfried, W. 3344
Siemeling, U. 200
Siepi, G. 223
Siering, G. 3195
Sigel, H. 2283
Sigua, G. C. 2756
Sigvald, R. 4315
Siipilehto, J. 4246
Sikarwar, R. L. S. 1361
Sills, G. R. 3043
Silva, A. R. 389
Silva, C. B. da 4411
Silva, F. T. da 3705
Silva, J. F. da 2863, 3331, 4620, 4754
Silveira, H. L. 5016
Silvela, L. 4109
Silvela L. 2353
Silvertown, J. 1409, 4799
Sim, L. C. 938, 1731
Šimek, P. 4864
Šimić, B. 3153
Simier, P. 1682, 2121
Siminszky, B. 4583
Simmons, C. 3529
Simms, E. L. 4432
Simon, H. 3460
Simon, J. P. 1423
Simon, K. 1429
Simonin, H. A. 4055
Simpkins, C. L. 815
Simpson, B. 3035
Simpson, D. M. 1578, 3222, 4585
Simpson, G. M. 3463
Simpson, I. 3177
Simpson, J. A. 5113
Simpson, R. L. 878
Sims, G. K. 2761
Sinclair, D. P. 270
Sinclair, E. R. 781
Sinclair, L. 1844
Šindelářová, M. 2513
Šinderlář, L. 2513
Sineiro García, F. 2393
Singa, D. D. 787
Singh, A. 765
Singh, A. K. 768, 2474, 2488, 3481, 4185, 5165
Singh, B. B. 2873, 2987, 5024
Singh, B. G. 2478
Singh, B. K. 1536, 3207, 3219, 3551
Singh, C. M. 773, 3455, 5053
Singh, D. 3316
Singh, D. B. 2870
Singh, D. P. 3363
Singh, G. 321, 1779, 2041, 2298, 2873, 3386, 3787, 4474, 5024, 5041
Singh, H. 1246, 2402, 2517, 2817, 2837, 3157, 3383
Singh, H. B. 4346
Singh, H. P. 3283, 3446
Singh, I. 2524, 3386
Singh, J. 1702, 3503, 4744
Singh, J. N. 2651
Singh, K. 1918, 4651, 5025
Singh, K. B. 212
Singh, K. C. 466
Singh, K. N. 2025
Singh, K. P. 798, 2491, 4365
Singh, L. 1606, 2664
Singh, M. 4512, 4926
Singh, M. P. 2491, 4365
Singh, N. C. 4136
Singh, O. M. 3787
Singh, O. P. 321, 2873, 5024, 5041
Singh, P. 1359
Singh, P. K. 4776
Singh, R. 2047, 2235, 2651, 2836, 3817, 4797, 5040
Singh, R. A. 4185
Singh, R. D. 2417, 3517
Singh, R. L. 1146
Singh, R. P. 4166
Singh, R. S. 2873, 4650, 5024
Singh, R. V. 1779, 2651
Singh, S. 1990, 2317, 2504, 3263
Singh, S. B. 3665, 4473
Singh, S. D. 773
Singh, S. J. 3282
Singh, S. K. 4776
Singh, S. N. 372
Singh, S. P. 2049, 2441, 3822
Singh, S. S. 3282
Singh, T. 2019-2020, 2517, 3066
Singh, U. P. 3822
Singh, V. K. 758, 764, 2450, 3785, 4205
Singh, V. P. 2817
Sinha, A. K. 365
Sinha, A. M. 4280
Sinha, B. K. 3517
Sinha, D. 3255
Sinha, M. N. 766
Sinha, N. K. 3257
Sinha, S. 2553
Sinha, S. N. 656
Sinha, S. S. 326
Sinha, U. P. 326
Sinha, U. S. P. 365
Sinhababu, D. P. 1614
Siniscalco, C. 2611, 2668
Sinkevičius, Z. 4772
Sipa, V. 3332
Sipos, T. 4037
Sison, C. M. 2059
Sissoko, M. 4183
Siwakoti, M. 3486
Sixto, H. 2308, 4109
Skaare, J. U. 1071
Skark, C. 3657, 4032
Skender, A. 1797, 2465
Skerswetat, M. 1041
Skinner, D. H. 2302
Sklyarenko, A. G. 3238
Sklyarenko, A. T. 1653
Škoda, V. 2407
Skoneczna, K. 2400, 2803, 3548
Skorupińska, A. 5075
Skroch, W. A. 2757, 2896
Skryabin, K. G. 4553
Skrzypczak, G. 4209, 4640
Skulman, B. W. 3144
Skuterud, R. 1161
Slack, R. D. 1258
Slameňová, D. 153
Slaton, N. A. 754
Sleper, D. A. 2032
Ślusarski, C. 4220
Small, E. 16
Smallfield, B. M. 1584
Sman, A. J. M. van der 2144, 2768
Smart, C. C. 2133
Smart, J. R. 3832, 4690, 4975
Smeda, R. J. 650, 4409, 4962
Smerage, G. H. 1717
Smethurst, P. J. 4359
Smidt, W. J. 2157
Smirnova, I. B. 3617
Smirnova, O. B. 3555
Smit, H. A. 4311
Smit, N. S. H. 4080
Smith, A. E. 2332, 2362, 2377, 4869, 4912
Smith, B. L. 2917
Smith, C. 4180
Smith, C. A. 3614
Smith, D. L. 1931
Smith, D. W. 4832
Smith, E. B. 2691
Smith, G. C. 3975
Smith, G. S. 2542
Smith, I. E. 3810, 4657
Smith, J. E. 484
Smith, J. L. 1383
Smith, J. M. 295
Smith, J. T. 4576
Smith, L. H. 4734
Smith, M. A. 3305
Smith, M. C. 51, 5106, 5109
Smith, P. A. 1467
Smith, R. D. 1830
Smith, R. J., Jr. 40, 754, 1610-1613, 2018, 2024, 3144
Smith, S. E. 823
Smith, S. J. 3183
Smith, W. K. 4403
Smith, W. N. 169
Smittle, D. A. 2849
Smolders, A. 2143
Smolders, A. J. P. 3865
Smyth, C. A. 4875
Smyth, D. R. 924
Snelder, Y. 2960
Snell, C. J. 4360
Sneyd, J. 2876
Snipes, C. E. 203, 1721, 4409
Snogerup, S. 22
Snoo, G. R. de 1177
Snow, A. A. 53
Snow, D. D. 582
Snyder, C. S. 3301
Snyder, J. L. 2719
Snyder, R. L. 1224
Sobczak, T. 725
Sobek, S. M. 2302
Sobhian, R. 3996
Sobiech, S. 4216
Sobieszczanski, J. 3691
Sobrino, E. 2224
Sokolov, M. S. 562
Sola, N. H. 1668
Solaiappan, U. 2519
Solbraa, K. 3839
Solh, M. B. 1279
Solie, J. B. 278
Soliman, M. I. 3940
Soliman, V. 581
Söll, D. 3529
Solntsev, M. K. 4964
Solomakha, T. D. 5008
Solomakha, V. A. 5008
Solomon, K. R. 1070, 1075, 4137, 4588, 4907
Solsten, R. T. 4041
Somasco, O. 258
Somasundaram, L. 580
Somers, D. E. 4820
Sommaruga, R. 411
Sommerstad, H. 4472
Søndenbroe, H. 3774
Soneswar Sarma 2342
Song, B. 2283
Song, Y. F. 2544
Sonneveld, C. 4587
Sonntag, H. W. 1006
Sonon, L. S. 2720
Sootrakar, B. P. 3821
Sorenson, B. A. 2328, 3565, 4920
Soria, F. U. 4202, 4211
Soriano, A. 4327
Sorokin, V. I. 3556
Sorokina, V. I. 3713
Sorrell, B. K. 2140
Sosebee, R. E. 370, 2106, 3399
Šoškić, M. 2911
Soto, A. 5125
Soto C., L. 4979
Soto Ceballo, L. 4979
Sotomayor-León, E. M. 4953
Souissi, T. 108
Soukupová, M. 1262
Souna, F. 3661
Sousa, B. C. 4901
South, D. B. 348, 354, 3376, 5114
South Africa, Department of Agriculture 863
Southwick, L. M. 2754, 4510-4511, 4921
Sovová, M. 1117
Sowa, R. 3514
Sözeri, S. 3023
SP Rapport - Statens Planteavlsforsog 3889
Spackman, C. W. 3185, 3194, 3389, 3391
Spain, Sociedad Española de Malherbología 2591
Spak, D. R. 3379
Spalding, R. F. 582, 2287
Spalik, K. 2176
Sparks, T. H. 965
Sparrow, D. 2657

Sparrow, D. H. 4388
Sparrow, J. W. 2330
Speed, C. B. 4705
Speijers, E. J. 1207
Spencer, D. F. 415, 422, 3869
Spencer, D. S. C. 249
Sperandio, G. 5112
Speranza, M. 3464
Speranza, M. J. 605
Spicer, K. W. 2574
Spiridonov, Yu. Ya. 753, 1554, 2415
Spiridonova, G. S. 1554
Spirodonov, Y. Ya. 4026
Spiteller, G. 3734, 4831
Spitzer, T. 4976
Splichal, P. 2720
Spliid, H. 1056
Spliid, N. H. 3626
Spring, J. L. 3813
Springuel, I. V. 5172
Spurlock, F. 3130
Spurr, D. T. 955
Squier, S. A. 1746
Squiers, E. R. 2170
Sreekumar, P. V. 3913-3914
Sreenivas, G. 2000
Sreenivas, S. 2358
Srikumar Pal 2281, 4525
Srinivas, T. 166, 4052
Srinivasa, B. R. 4280
Srinivasan, G. 1778, 2447, 3292
Srinivasan, T. R. 2067
Srinivasulu, S. 227
Sriramarao, P. 836
Srivastava, A. 612, 2298, 4474, 5164
Srivastava, A. K. 1408
Srivastava, G. P. 762
Srivastava, K. 372
Srivastava, M. K. 4896
Srivastava, N. K. 3005
Srivastava, V. C. 731, 762, 2823, 5043
Staack, A. 2954
Stachecki, S. 2182, 4125, 4609, 4626
Staden, J. van 1004, 1276, 2164
Stadler, R. 88
Stahlman, P. W. 2419
Štajner, D. 2364
Stallings, G. P. 58, 2603, 2685
Stalter, R. 3067
Stamp, N. E. 1432, 3072
Stamper, J. H. 693
Stan, H. 3123
Stan, H. J. 2305, 3563, 3658, 4867, 5188-5189
Stancanelli, G. 1010
Staněk, J. 3341
Stang, E. J. 1223
Stange, G. 4439
Stanger, C. E. 1630
Stangl, G. 3561
Stanker, L. H. 4460
Stanojević, V. 2056, 4662
Staňová, A. 2385, 4444, 4449, 4749
Stanová, V. 1793
Stanton, M. 239
Stanton, M. L. 3471, 4804
Stapleton, G. S. 5066
Stapleton, J. J. 4663
Starbird, S. A. 703
Starczewski, J. 5027
Stark, A. 3526
Stark, J. C. 3929
Starling, A. J. 4671
Starlinger, F. 20
Starovõitov, N. A. 3761
Staskawicz, B. 4429
Staszak-Kozinski, L. 2166
Staub, F. 5057
Staubus, A. E. 4909
Staznik, B. 4051, 4880, 4913
Stearman, G. K. 1876
Steckel, G. J. 3270
Steeg, H. M. van de 1708
Steel, J. 3001
Steensen, J. K. 4134
Štefanek, D. 2466
Stefanelli, G. 982
Stefani, A. 467
Štefanić, E. 1797
Stefanov, K. L. 3689
Stefanovich, L. 2433
Steffensen, D. A. 3019
Stegelmeier, B. L. 1260, 3402-3403, 3850-3851
Stehouwer, R. C. 618
Stein, B. 854
Stein, J. A. 2798
Steinbach, K. 3909
Steindl, H. 630
Steinheimer, T. R. 580
Steinlein, T. 1375
Stempniewicz, R. 3691
Stepanov, V. M. 4947
Stephens, R. H. 2210
Stephenson, G. R. 202, 4560
Sterling, T. M. 191, 2903, 2910, 3187
Stern, T. 1910
Sternkopf, G. 1006
Stetter, J. 1735
Stevens, C. H. 700-701
Stevens, J. T. 1899
Stevens, L. 3522
Stevens, P. J. G. 228, 4577
Stevenson, J. C. 1308
Stevenson, J. H. 5013
Steward, K. K. 856
Stewart, G. R. 1272, 1689, 2122, 3431, 4730
Stewart, S. C. 1798
Stewart, T. M. 4142
Sticher, O. 4276
Stieglitz, B. 2740
Stierle, A. 1825
Stiles, L. H. 1921
Stinner, B. R. 101
Stöber, S. 3739
Stobiecki, M. 2725
Stobiecki, S. 574, 698, 724
Stock, M. 201
Stock, W. D. 3398, 5155
Stocker, U. 20
Stoddard, P. 3130
Stohs, S. J. 4040
Stoica, I. 1898
Stoimenova, I. A. 3493
Stojanowska, J. 1221
Stojcevic-Lemic, N. 1893
Stokes, S. 4846
Stoll, P. 910
Stoller, E. W. 2761, 3222, 3234, 4097, 4421, 4585
Stoltenberg, D. E. 285, 1810-1811, 3159
Stoltz, D. R. 5150
Stolz, J. 74, 88, 2693
Stolze, R. G. 1365
Stommen, P. 2948
Stone, J. F. 31
Stoneburner, A. 4269
Stonehouse, D. P. 3265
Stoof, G. 988
Storck, L. 3907
Storeheier, K. J. 3720
Stork, A. 2288
Story, J. M. 1441
Story, R. N. 4434
Stougaard, R. N. 1616, 2894
Stowe, S. 4439
Stoyanova, D. P. 3013
Strabala, T. 644
Strachan, P. 4610-4611
Strange, M. le 1638
Stranger, A. 3431
Straube, E. 4430
Streber, W. R. 1136, 2790
Streck, T. 3162
Street, J. E. 876, 4194, 5185
Street, J. R. 2523
Streibig, J. C. 1152, 1463, 1577, 3710, 3745, 4546, 4962
Strien, A. J. van 1312
Stringer, S. J. 4687, 5105
Stritzke, J. F. 2366
Strobel, G. 1009
Strobel, G. A. 1825
Stroller, E. W. 1578
Strong, D. R. 853
Stroshine, R. 7
Stroup, W. W. 170
Struchkov, Yu. T. 3556
Strüder, K. 1892
Struger, J. 578
Strunk, R. J. 3595
Strupat, K. 2727
Stuart, M. E. 3593
Stucki, G. 4083
Studer, B. 3168
Stuefer, J. F. 1769, 4785
Stufkens, M. W. 97
Stulen, I. 4786
Stupnicka-Rodzynkiewicz, E. 2590
Stutz, H. C. 1368, 2255
Subbaiah, H. 2762
Subbiah, G. N. 846
Subbian, P. 5092
Subhendu Chaudhuri 4525
Subrahmanyam, D. 653
Subramaniam, K. 4280
Sucoff, E. I. 3048
Sud, R. K. 3517
Sudhendu Mandal 2557
Sudo, S. 1016
Suflita, J. M. 636
Suga, T. 4045, 4517
Suganuma, T. 1434
Sugawara, F. 1009
Suge, H. 3182
Sugimura, T. 4886
Sugita, M. 3196, 3202
Sugiura, M. 110, 3202
Sugiyama, H. 1150, 2299, 5183
Sugiyama, M. 536
Sugoh, M. 3192
Sugrañes Alsina, J. M. 2487, 2494
Šuková, V. 471
Sukul, P. 4005
Sukumaran, N. 4282
Sullivan, V. I. 992
Sultatos, L. G. 4890
Sumathi, L. 3856
Sumida, M. 4857
Summers, J. E. 1709
Sumner, D. R. 2849
Sumner, H. R. 180
Sun, D. 4361
Sun, T. H. 1879
Sun, Y. 3120
Sun, Y. Y. 292
Sunckell, A. 3945
Sundaram, A. 822, 2378
Sundaram, K. M. S. 2378
Sundaramoorthy, S. 4761
Sundararajan, R. 3142
Sundberg, E. 534
Sunderland, S. L. 426, 2776
Sundermeier, A. 499
Suneel Sharma 1800
Sung, M. S. 2234
Sunohara, G. 2371
Sunohara, Y. 3673
Sunters, Z. E. 4899
Surányi, G. 2373
Surayya Khatoon 2190
Surender Roperia 3683
Suresh Kumar 773, 3455
Suresh Kunkaliker 3537
Surgeoner, G. A. 695
Suri, V. K. 5140
Suryanarayana, V. 4087
Suryaningtyas, H. 43
Susek, R. E. 530
Suskind, R. R. 3149
Susko, D. 1707
Suso, M. L. 2230, 2486
Süss, A. 1044
Suster, S. 4893
Sutherland, B. L. 37
Sutton, D. L. 3441
Sutton, H. D. 414
Sutton, P. B. 4671
Sutton, R. F. 3373
Suwanketnikom, R. 685, 1093
Suwanwong-Surawattananon, S. 1140
Suzuki, J. I. 912
Suzuki, K. 1058
Suzuki, M. 3840
Suzuki, O. 2315
Suzuki, T. 1164, 4045, 4517
Suzuki, Y. 1277, 4113
Svaminatkhan, R. 162
Svejcar, T. J. 1382, 1824
Svendsen, N. O. 1071
Svensen, A. 1037, 2306
Svensmark, B. 3660
Svensson, L. 1712
Svensson, R. 1782
Svěráková, J. 1330
Sviridov, S. V. 3707
Swain, N. 419
Swamy, H. K. S. 1687
Swann, C. W. 1648, 2880
Swanson, H. R. 1125
Swanton, C. J. 47, 718, 940, 1190, 1387-1388, 1511, 1600, 1624, 1720, 2208, 3052, 3265, 4207
Sweat, J. K. 886
Sweeney, E. C. 392
Sweeney, M. H. 597
Swennen, R. 249
Świątek, L. 841
Swinton, S. M. 1776, 3743, 5012
Sy, M. 4946, 4959
Syers, J. K. 3629
Symula, J. 4055
Synnes, O. M. 1722
Syrett, P. 2901, 4708
Syrgiannis, J. 3135
Syrjänen, K. 4728
Szabó, A. 3603
Szabo, I. 2178
Szafirowska, A. 1663
Szamosi, I. T. 3219, 3551
Szczuka, E. 1427
Szczukoswki, S. 294
Szebeni-Galambosi, Z. 4251
Szelezniak, E. 1956
Szempliński, W. 5029
Szigeti, Z. 3081, 3209
Szmigielska, A. M. 2290
Szwed, W. 2629-2630
Szwoch, R. 296
Szwonek, E. 3801
't Hart-de Kleijn, V. M. 133, 3560
Tabacchi, E. 4289
Taberner, A. 2185, 2391, 2439
Tablante, J. 2865
Tacchini, P. 3094
Tacconi, M. T. 158
Tacconi, R. 559, 767
Tada, S. 2796
Tada, T. 642, 3901
Tadeo, J. L. 118, 1593, 1869, 2308
Tafoya Razo, J. A. 4217
Tagahara, K. 3532
Tague, T. 1253
Tahara, S. 4721
Tahir, M. 4466
Taillandier, G. 1142
Taille, G. de la 2875
Tait, S. 104
Takagi, H. 1481
Takahashi, A. 4043
Takahashi, M. 1542
Takahashi, N. 1848
Takahashi, T. 1449
Takahashi, Y. 107, 1195, 2918
Takaki, M. 890
Takamiya, K. 3087, 3972
Takamura, K. 2301
Takamura, N. 3448
Takasu, N. 1058
Takasuka, K. 2369
Takasuka, S. 3693, 4563
Takayama, C. 4000
Takechi, T. 122
Takekoshi, Y. 120
Takeuchi, Y. 1277, 2935, 4726
Tal, J. A. 4560
Talalakina, T. N. 1554
Talbert, R. E. 40, 943, 1050, 1080, 1612, 2206, 2409, 3144

Taleb, A. 1402-1403, 3510, 3954
Talukder, M. A. M. 4367
Tamak, J. C. 2664
Tamang, M. B. 3517
Tamaru, N. 1901
Tamilselvan, C. 3142
Tammaro, F. 2669
Tamogami, S. 4569
Tamura, Y. 4480
Tan, C. H. 2063
Tan, C. M. 1039
Tan, C. S. 4499
Tan, K. K. 5168
Tan, M. 112
Tan, S. 1569, 4926
Tan, S. L. 505
Tan, S. T. 3977
Tanada, S. 1894
Tanaka, H. 107, 4542
Tanaka, K. 1015-1016, 3196, 4632
Tanaka, M. 160
Tanaka, S. 1058, 4000
Tanaka, T. 1162, 1195, 1449, 2704, 3016, 3221, 3545, 4857
Tanaka, Y. 107, 2571, 3192
Tanda, C. 913
Tang, E. Q. 919
Tang, Y. 4788
Tange, T. 3840
Tanguy, X. 459
Tanigoshi, L. K. 4649
Taniguchi, E. 1162
Tanimoto, T. 4798
Tanji, A. 41, 3954, 4171, 4177, 4210, 4253
Tanner, D. G. 3760
Tanner, G. W. 337
Tanner, L. R. 4758
Taoprayoon, S. 3010
Tappeiner, J. C., III 817
Taraborrelli, L. 3390
Tarantino, E. 5068
Taranukha, N. V. 3697
Tardif, F. J. 1807
Tarkowska, J. A. 1134
Tarlok Singh 2019-2020, 3066
Tarraborelli, L. 3314
Tarradellas, J. 3558
Tarragó, M. F. S. 305
Tashish, V. 4964
Tasrif, A. 3030
Taştan, B. 1745, 3842
Tateno, K. 3032
Taunk, S. K. 2023
Taupier-Letage, B. 5126
Tauro, P. 870, 3028
Tavares de Sôuza, M. M. 2476
Taylor, C. A., Jr. 3393
Taylor, D. 257
Taylor, D. C. 3976
Taylor, J. E. 4270
Taylor, J. S. 1507, 4535, 4537
Taylor, J. W. 4878
Taylor, L. 3714
Taylor, P. A. 304
Taylor, R. 1528
Taylor, R. A. J. 1153
Taylor, R. J. 4770
Taylor, S. L. 4585
Taylor, W. S. 2795, 4008, 4856
Tazawa, M. 3873
Tchakalova, E. S. 3013
Te Beest, D. O. 2277
Te Velde, E. 4891
Teal, J. M. 410
Teaney, P. W. 1938
Teasdale, J. R. 3274
Techler, I. B. 1980
Tecle, B. 1536
Tei, F. 1394
Tekel, J. 2733, 3384
Tell, A. M. 4161
Teller, S. 1711
Temple, S. R. 258
Tena, L. 2489
Tena, M. 1671, 1937, 1940, 2361
Teng, P. S. 748, 3492
Teoh, C. H. 1950, 4154
Tepe, I. 1812, 4702
Tepfer, D. A. 2272
Tepperman, J. M. 1133
Ter Borg, S. J. 1686, 2937, 2953, 2970, 2985, 3002, 3425, 3458
Ter Keurs, W. J. 1312
Teramura, A. H. 5131
Terashima, I. 2681-2682
Teresiak, H. 4194
Terpstra, R. 3902
Terreni, M. 3557
Terry, A. S. 3566
Terry, P. J. 43, 2127
Tertya, G. P. 1980
Teryokhin, E. S. 2940
Tessari, J. D. 2742
Tessier, M. 5082
Tett, V. A. 4518
Tewfik, M. S. 2084
Težak, Ž. 3153
Thakar Singh 2517
Thakral, K. K. 1634, 1637, 2482
Thakre, S. K. 3279-3280
Thakur, C. L. 1211
Thakur, D. R. 2822
Thakur, S. K. 2029
Thakuria, K. 2088
Thalacker, F. W. 1125
Thalji, R. 4840
Thalouarn, P. 1683, 2121, 2125, 2939
Thandapani, V. 1788
Theaker, A. J. 969, 2112, 3075, 3926
Thébaud, C. 2637
Theg, S. M. 538
Theiler, R. 3344
Theimann, W. 3578
Theodet, C. 1683
Theron, G. K. 3895
Thiede, M. E. 4783
Thielen, R. van 4307
Thiellement, H. 3094
Thiemann, J. 1137
Thill, D. C. 58, 1415, 1813, 2603, 2685, 4554
Thind, B. S. 1850
Thio, A. P. 2292
Thirumalaraju, G. T. 2481
Thole, R. 480
Thomas, A. G. 47, 955, 4399
Thomas, B. 697, 2181
Thomas, D. 933, 1075
Thomas, D. H. 2289
Thomas, D. R. 4051, 4880, 4913
Thomas, D. S. 2905
Thomas, F. 1136
Thomas, G. 4389
Thomas, G. A. 270
Thomas, J. C. 3897
Thomas, J. M. 5081, 5184
Thomas, M. D. 980, 1028
Thomas, M. R. 1404
Thomas, R. F. 1444
Thomas, S. H. 2493
Thompson, C. R. 1415
Thompson, D. C. 3855
Thompson, D. G. 800, 1070, 1075, 1454, 4051, 4880, 4913
Thompson, G. B. 38, 1437
Thompson, J. D. 504
Thompson, J. W. 5132
Thompson, K. 1748
Thompson, L. 1377
Thomson, J. A. 2917
Thomson, J. K. 3495
Thomson, L. 5187
Thomson, W. T. 1733, 5187
Thonke, K. E. 2412
Thorne, R. L. Z. 4539
Thornley, W. R. 3092
Thorpe, P. C. 1748
Thorpe, S. 3844
Thouvenot, D. 4483
Thrailkill, D. J. 4586
Thrall, P. H. 1438-1439
Thullen, R. J. 2516
Thumfort, P. P. 2926
Thuring, J. W. J. F. 2928, 2997
Thurman, E. M. 1045, 1098, 2295
Thuy, L. T. B. 155
Tian, R. H. 69
Tiarks, A. E. 1219
Tiberi, M. 1628
Ticchiati, V. 752
Ticku, A. 857
Tierney, D. P. 4054
Tierney, M. J. 2409
Tikhomirova, V. Ya. 3698
Tillich, H. J. 3875
Tillman, R. W. 175
Tilman, D. 552
Timko, M. P. 669
Timmerman, B. 3922
Timonin, A. K. 990
Tindall, J. A. 2324
Ting, K. C. 3128
Tinoco, R. 2313
Tinsley, I. J. 4064
Tipping, P. W. 2706
Tiravanti, G. 3549
Tirmizi, S. A. A. 957
Tissut, M. 1142
Titel, C. 989
Titko, S. 1169
Titulaer, G. T. M. 2997
Tiwane, A. K. 3280
Tiwari, B. K. 1104
Tiwari, J. P. 727, 2472, 3064-3065, 3191, 3264, 3315, 4233
Tiwari, K. P. 2467
Tiwari, R. B. 2477
Tiwari, S. C. 1219
Tjitrosemito, S. 176, 3290
Tligui, N. 2914-2915
Tobin, E. M. 847
Tobolewski, Z. 2629-2630
Toda, T. 3490
Todd, T. C. 3780
Toderi, G. 982
Todesco, G. 4106
Toit, D. du 1558
Toki, S. 2355
Toldi, O. 5162
Toledo, R. E. B. 4330
Toler, J. E. 5066
Tollefson, J. E. 4136
Tollefson, T. 4369
Tollenaar, M. 1387-1388, 3052
Tomar, R. K. S. 784, 2467, 3821
Tomar, S. K. 3363
Tomar, S. S. 5093
Tomás, V. 4871
Tomaso, J. M. di 194, 197
Tomczyńska, Z. 2628
Tominaga, T. 3943
Tomley, A. J. 369
Tomlin, C. 1736
Tomonaga, F. 4489
Tompos, V. 1985
Tonso, N. L. 4936
Tooby, T. E. 242
Toopornsiri, M. 1093
Toor, R. F. van 4135, 4252, 4310
Top, E. M. 4521
Topp, E. 169
Toppo, L. 3117
Tör, M. 528
Torchio, P. 156
Torgrimsen, T. 692
Torii, Y. 642
Tornbjerg, T. 4292-4293
Torner, C. 2535, 2580
Török, Z. 1673
Torrecilla, P. 1763
Torres, A. 2340
Torres, R. O. 2645
Tørsløv, J. 1056
Torstensson, L. 586
Toselli, M. 3597
Toth, J. D. 3047
Totland, Ø. 451
Toubia-Rahme, H. 4498
Tourmente, S. 529
Tourneux, H. 4983
Tourte, Y. 413
Town, S. J. 1313
Townley-Smith, L. 1215, 1472, 2413
Townsend, C. E. 1532
Townsend, J. 683
Townshend, A. 3573
Townson, J. K. 4671
Toyoda, T. 4798
Toyota, I. 2752
Traina, S. J. 618, 4523
Traĭnauskaĭte, I. 2568
Trapp, G. 3639
Trapp, S. 192
Traub-Eberhard, U. 2325
Traveset, A. 1346
Trebitz, A. S. 1306
Trebst, A. 3211, 3695
Trejo, C. L. 1109
Tremblay, N. 4701
Tremblay, R. 3068
Tremmel, D. C. 926, 2647
Trémolières, M. 1304
Trent, J. D. 1382, 3919
Trepashko, L. I. 253
Trepl, L. 2652
Treskina, N. N. 3333
Trethewey, R. N. 2264, 4822
Trevisan, M. 2326, 3579, 3652, 3655
Trimborn, P. 3859
Trinka, D. L. 4665
Tripathi, B. 2531, 3747
Tripathi, R. D. 4739
Tripathi, R. S. 2477, 3904, 4204
Tripathy, N. K. 152
Tříska, J. 4864
Trobaugh, J. 4369
Tróchez P., A. L. 96
Trouilloud, M. 4989
Trozelli, H. 4682
Truax, B. 668, 2347
Trujillo, B. 1763
Truman, C. 180
Trunk, R. 2158
Tryon, R. M. 1365
Tsafaris, F. 4262
Tsai, W. Y. 4833
Tsay, T. T. 102
Tsevegsüren, N. 515-516
Tsimbalov, I. A. 1620
Tsonev, T. 2778
Tsubura, H. 4542
Tsuchiya, T. 1305
Tsuchiya, Y. 114, 4446
Tsuda, S. 3093, 4417
Tsuda, T. 4476
Tsuge, T. 2177
Tsukaya, H. 2177, 4835
Tsuruuchi, T. 888
Tsutsui, I. 4747
Tsuyuzaki, S. 1337
Tsvetkova, N. M. 1837
Tsybul'kin, P. D. 3707
Tsyrlov, I. B. 4895
Tu, C. M. 2337
Tu, S. I. 4965
Tubaileh, A. S. 2550, 2941
Tucker, E. B. 61
Tucker, K. C. 5138
Tucker, S. 596
Tucker, S. C. 4337
Tufail Ahmad 1651
Tugnoli, V. 1658
Tugwell, N. P. 5106
Tuktarov, B. I. 3791
Tumanov, A. A. 124
Tünay, O. 3134
Tuovinen, O. H. 4523-4524
Tupy, D. R. 2894
Tuquet, C. 3000, 3430, 3892
Turcsányi, E. 2373
Turgeon, A. J. 1327
Türkan, İ. 4271-4272
Turkington, R. 1251, 5134
Turley, D. 968
Turnbull, A. 3583, 4071
Turner, B. 3035, 3474
Turner, C. E. 106
Turner, I. J. 3622
Turner, J. 2302
Turner, S. L. 2367

Turos-Biernacka, M. 4230
Tuteja, S. S. 4204
Tutois, S. 529
Twardy, S. 300
Twidwell, E. 2594
Twidwell, E. K. 1621
Twisk, W. 1312
Tworkoski, T. J. 1416, 1444
Tworkowski, J. 294
Twu, L. T. 1723
Tyess, D. 4527
Tyla, G. 2001
Tyler, D. D. 2336, 4461
Tyler, K. L. 4982
Tylka, G. L. 1626, 2764, 4950
Tyson, D. 1324
Uchikawa, Y. 5049-5050
Uchimiya, H. 1131, 2177, 2355
Uchino, A. 4746
Udayasoorian, C. 5092
Udvardi, M. K. 523
Ueda, A. 1058
Ueda, H. 3100
Ueda, S. 1135, 1162, 1195
Ueda, T. 1025
Uehara, K. 2687
Uematsu, T. 4887
Ueno, A. 1003
Ueno, O. 4746
Uffing, A. J. M. 1167
Ugazio, G. 1059
Ugryumov, E. P. 4120
Uhlen, G. 1094
Uhlich, H. 394
Uhríková, A. 4599
UK, British Agrochemicals Association 4755
UK, British Crop Protection Council 430, 2587-2588
UK, British Standards Institution 240
Ukai, S. 120
Ukrainczyk, L. 3624
Ukraintseva, V. V. 1354
Ulinska, Z. 2485
Ullmann, J. 1107
Ullrich, S. E. 435
Ulmasov, T. 644
Umaña R., G. 91
Umapathy, P. N. 2021
Undabeytia, T. 4528
Underwood, J. F. 4706
Ungar, I. A. 500, 3871
Unger, G. 1895
Unger, P. W. 271
Uniyal, B. P. 1358
Unno, H. 4933
Ünsal, M. 5006
Unseld, M. 71
Uotila, M. 3218
Upadhyaya, M. K. 1267
Upham, W. S. 1615, 4700
Uppar, D. S. 4805
Urano, K. 4470
Urban, M. 724
Urban, N. H. 1301
Urbančič, M. 3759
Uriyapongson, S. 3010
Urzúa Soria, F. 3959, 4202, 4211
USA, Center for Agricultural and Rural Development 869
USA, Illinois State Horticultural Society 428
USA, Louisiana Agricultural Research Station 865
USA, Louisiana State University Agricultural Center 866
Usui, K. 1128, 1541, 2344, 3230, 3673
Utschick, H. 2216
Uygun, N. 4838
Uygur, N. 4838
Uygur, S. 4838
Uzma Salam 5139
Vaccari, A. 4487
Vacek, O. 2291
Vachon, G. 4390
Vagera, J. 3
Vahala, T. 4836
Vainio, A. 3329
Vaishya, R. D. 3363
Valázquez, D. 1760
Valcárcel, M. 4019
Valdés, B. 2570
Vale, J. A. 4485
Valeeva, Z. B. 3338
Valentin, G. 3815
Valentino, A. 3567
Valenzuela, A. 2357
Valerio, A. 2847
Valikhova, O. I. 181
Valio, I. F. M. 1254
Valk, A. G. van der 403
Valle, P. L. del 1865
Vallée, P. 459
Vally, K. J. M. 670
Valva, V. la 2613
Valverde, B. 3220, 4094
Valverde, B. E. 57
Valverde, R. A. 4434
Van, T. K. 2567
Van Acker, R. C. 940
Van Asperen, P. 4601
Van Ast, A. 2937, 2985
Van Bon, K. B. 4601
Van Bruggen, M. W. 1819
Van Dam, H. 4741
Van Dam, N. M. 1670, 2110
Van Damme, P. 1273-1274
Van de Fliert, E. 1181
Van de Merbel, N. C. 3568
Van de Steeg, H. M. 1708
Van de Venter, H. A. 3895
Van den Berg, F. 4874
Van den Berg, M. 4294
Van den Hoek, W. P. M. 1819
Van der Hiejden, R. 1822
Van der Hulst, P. J. 2994
Van der Kooij, T. A. W. 2271
Van der Linden, A. M. A. 2746
Van der Meijden, E. 2110
Van der Mheen, H. J. 770
Van der Plas, L. H. W. 2157
Van der Sman, A. J. M. 2144, 2768
Van der Valk, A. G. 403
Van der Veen, R. 2767
Van der Velde, G. 851, 2143, 3868
Van der Voet, E. 4497
Van der Werf, H. M. G. 334
Van der Zee, S. E. A. T. M. 4073
Van Deynze, T. C. 578
Van Dijk, M. J. 2540
Van Dijk, P. 921
Van Dongen, G. J. M. 4601
Van Dongen, W. D. 4866
Van Dyk, L. P. 1052
Van Eesvelde, S. 1273-1274
Van Egmont-Florian, D. 5084
Van Elsen, T. 497
Van Geel, W. C. A. 334
Van Hartingsveldt, H. 3340
Van Hemmen, J. J. 3712
Van Hezewijk, M. J. 1684, 2949
Van Himme, M. 232, 1078, 4084-4085
Van Holsteijn, I. 1482
Van Kooij, R. 4891
Van Lenteren, J. C. 5190
Van Lijsebettens, M. 527
Van Meurs, A. 1270
Van Montagu, M. 77, 82, 90, 527, 3922
Van Noort, S. 4436
Van Oostveldt, P. 77
Van Os, B. 1010
Van Rangelrooy, D. S. 563
Van Rensen, J. J. S. 3213
Van Rooyen, M. W. 3895
Van Staden, J. 1004, 1276, 2164
Van Strien, A. J. 1312
Van Thielen, R. 4307
Van Toor, R. F. 4135, 4252, 4310
Van Vierssen, W. 4302
Van Volkenburgh, E. 1424
Van Wambeke, E. 148
Van Wesenbeeck, I. J. 3170
Van Wijk, C. A. M. 381, 1265
Van Wijk, C. A. P. 770
Van Wilk, C. A. M. 2114
Van Woerden, I. C. 2985
Van Zoonen, P. 112, 4010
Van Zuydam, R. P. 4587
Vance, G. F. 113
Vandepitte, V. 2331
Vanderhaeghen, R. 527
Vanderleyden, J. 4520
Vanderlip, R. L. 1192
VanDevender, K. W. 754
Vangessel, M. J. 4368
Vanhala, P. 3884
Vanhimme, M. 2864
Vánky, K. 546
Vanner, A. L. 4240
Vanoost, N. 5069
VanPelt, K. 3301
Van't Klooster, G. 1059
Vântu, S. 1344
Varadaraju 2014
Váradi, G. 3081
Varela, R. M. 2340
Vargas, R. 5107
Vargas, R. N. 4688-4689
Varin, D. 5079-5080
Varis, E. 728
Varma, S. K. 4349
Varsano, R. 1497
Varshney, J. G. 3320
Vasconcelos, T. 2227
Vashistha, R. N. 1637
Vasilenko, R. F. 1309
Vasil'ev, I. R. 2368
Vasiltchenko, M. A. 4119
Vasques, R. M. P. 4014
Vassileva, Z. Y. 3689
Vaughan, D. 257, 1703
Vaughn, J. L. 3456
Vaughn, K. C. 217, 650
Vaute, G. 5126
Vauterin, M. 84
Vavasseur, A. 3973
Vaverková, Š. 2733, 3384
Vaya, J. 4447
Vázquez, C. 3420
Vázquez, D. 1456
Vecchia, F. D. 1710
Vecchio, I. 159
Vecchio, V. 1393, 3718
Veen, B. W. 3491
Veen, R. van der 2767
Veeraiah, K. 653
Veeranagowda, M. 3717
Vega-Catalan, F. J. 4824
Veiga, P. 305
Veit, M. 62-63, 2702, 4829
Vekhov, N. V. 4296
Věková, J. 4081
Velardi, T. 4102
Velasco, J. M. 2245
Velastegui, W. 2542
Velazhahan, R. 837
Velde, E. te 4891
Velde, G. van der 851, 2143, 3868
Velemínský, J. 79
Velu, G. 1788, 2118, 4627
Venable, D. L. 35
Vencill, W. K. 648, 1239-1240, 2320, 2324, 2435, 3680
Venediktov, P. S. 2368
Venglat, S. P. 1509
Venkov, V. 2981
Venter, H. A. van de 3895
Vera, M. L. 2101, 3396
Verdu, A. M. 2583
Vereecken, H. 3632, 3644
Verger, P. 155
Verkleij, J. A. C. 1684, 1686, 1829, 2831, 2927, 2938, 2949, 2994, 3002-3003, 3421, 3458
Verma, K. K. 3573
Verma, R. C. 2546
Verma, S. K. 3486
Verma, T. S. 2531
Verma, U. N. 731
Verma, V. S. 3812
Vermeer, E. 1333
Vernet, C. 689
Vernier, P. 5079-5080
Vernotte, C. 3217
Verpoorte, R. 1822, 2110
Verreault, R. 4390
Verschwele, A. 482
Versteeg, M. N. 251
Verstraete, W. 2331
Vesprini, J. L. 486
Veylder, L. de 82, 90
Vézina, L. P. 4959
Vian, A. 2267, 3978
Vicari, A. 3572
Vicente, M. C. M. 4669
Vick, C. L. 665
Victória-Filho, R. 4502
Vidal, R. A. 2499, 3678, 4675-4678
Vidrine, P. R. 1724, 2036, 3312
Vieira, C. 305
Vieira, D. J. 3834
Vieira, R. F. 305
Viejo, S. 2515
Vierssen, W. van 4302
Vigh, L. 1673
Vigna, G. 70
Viinikka, Y. 4913
Vijay Kumar 1634
Vijayakumari, P. 4056
Vijayalakshmi, G. S. 4282
Vikhrachev, V. N. 679
Viksund, R. I. 4425
Villa, B. 3298, 4192
Villarias, M. I. G. 2101
Villarroel, R. 527
Villarroya, M. 1593, 2353
Villiers, A. J. de 3895
Villiers, B. L. de 1558, 1560, 4311
Vincenti, M. 1031
Vineis, P. 223
Vinnik, P. N. 1657
Violante, A. 4529
Viougeas, M. A. 4415
Virelizier, H. 2725
Viruega, J. R. 2217, 2231-2232
Virville, J. D. de 1002
Visalakshy, P. N. G. 386
Visan, L. 1898
Vischetti, C. 3613, 3652
Vision, T. J. 4432
Visser, E. J. W. 1708, 2769, 3491
Visser, W. de 1379
Viswanathan, P. N. 1702
Viswanathan, R. 165
Viswanathan, V. 4744
Vitchenko, V. P. 3313
Vitek, E. 20
Vitelli, J. S. 2532
Vitta, J. I. 2650
Vivekanandan, M. 218
Vizantinopoulos, S. 1466, 1625, 1912
Vlahos, K. 1057
Vlasenko, S. I. 2076
Vlasenko, S. O. 1653
Vlasov, E. V. 1867
Vlček, D. 3146
Vleeshouwers, L. M. 4763
Vlk, F. 587
Voegtlin, D. J. 2566
Voesenek, L. A. C. J. 1708, 2768-2769
Voet, E. van der 4497
Vogel, H. 1602
Vogel, R. 2115
Vogelmann, T. C. 1431, 1840
Vogelsang, H. 5145
Vohra, S. K. 4565
Voigt, B. 4331
Voirin, B. 3974
Vojinović-Miloradov, M. 1034
Vokal', J. 1262
Vokurka, M. 1482
Volaire, F. 2646
Volenec, J. J. 4764
Volkenburgh, E. van 1424
Völker K. 567
Völki, W. 549, 3539

Voll, E. 4374, 4581
Vollmayr, H. 3631
Vollmer, J. 5128
Volponi, C. R. 23
Von Günther, P. 4067
Von Lechner, M. 1996
Von Riebel, A. 1883
Vongsaroj, P. 3289
Voos, G. 1863
Voronina, L. P. 127
Vos, H. de 2114
Vos, P. de 2331
Vosáhlo, J. 4081
Voss, K 899
Vouzounis, N. A. 3805
Voytas, D. F. 87
Vratarić, M. 2061, 2465
Vreeken, R. J. 4866
Vreuls, J. J. 4868
Vrieling, K. 381, 1265, 1670, 2114
Vries, H. S. M. de 2997
Vučinić, Ž. 998
Vukojević, J. 3983
Vuletić, M. 998
Vulsteke, G. 5069
Vurro, M. 3108
Vyalykh, A. K. 562
Vyravipillai, R. 4077
Waal, L. C. de 3885
Wachowiak, H. 724
Wada, K. 3100
Wada, N. 4570
Waddington, J. 4567
Wade, M. 3430
Wade, P. M. 3885
Wagenet, R. J. 3640
Wagger, M. G. 757
Wagner, B. 4922
Wagner, B. M. 1505
Wagner, E. 1371, 2692
Wagner, E. D. 79
Wagner, R. G. 2520, 3051, 3364
Wagner, R. W. 3370
Wagner, S. W. 903
Wagner, W. L. 3037, 3040
Wahl, R. 827
Wahmtoff, W. 3352
Wainio-Keizer, K. 1070
Waite, D. T. 4472
Waite, S. 3958
Waitzbauer, W. 2527
Wajid, A. 2600
Wakabayashi, K. 1030, 2369, 3693-3694, 4453, 4563, 4857, 4886
Wakamatsu, K. 4859
Wakeham, D. E. 3161
Walbot, V. 3101
Waldock, M. J. 1471
Wale, S. J. 3060, 4312
Walia, U. S. 2082
Walker, A. 1092, 1916, 3612, 3622, 3890, 4503
Walker, B. H. 2899
Walker, J. C. 1830
Walker, J. T. 4695
Walker, L. M. 649
Walker, P. 1690
Walker, R. H. 3831
Walker, R. P. 3183
Walker, S. R. 4911, 4924
Walker-Simmons, M. K. 443, 446
Wall, D. A. 941, 1216, 2087, 2453, 2475, 2606
Wall, J. H. 2404
Wallace, D. J. 4978
Wallace, P. A. 1836
Wallace, R. W. 2774
Wallander, R. T. 3899
Waller, G. R. 4539
Wallinga, J. 3931, 3936
Walls, F. R., Jr. 2503, 2880
Walter, D. 2382
Walter, H. 4455
Walter, M. 3518
Walters, R. G. 2265
Walters, T. W. 3042
Walton, B. T. 163
Walton, M. P. 5190
Wambeke, E. van 148
Wan, C. 370, 2106, 3399
Wanek, W. 2120
Wang, A. G. 654
Wang, B. X. 4573
Wang, C. 85, 423
Wang, C. J. 3599
Wang, D. J. 2788
Wang, D. X. 1597
Wang, J. 319, 1395, 1640, 3284, 4573
Wang, J. F. 2544
Wang, K. 173
Wang, K. M. 102
Wang, M. 1764, 4740, 5170
Wang, N. Y. 4025
Wang, Q. S. 4015
Wang, R. L. 2639, 3962
Wang, S. W. 3599
Wang, W. Q. 406
Wang, X. F. 1633
Wang, X. H. 460
Wang, X. Q. 1761
Wang, X. Y. 4190
Wang, Y. 376
Wang, Y. H. 1592
Wang, Y. S. 1514, 2319, 4914
Wang, Y. Y. 406, 1500
Wang, Z. 4713
Waniorek, W. 4124
Warcholinska, U. 3514
Ward, J. L. 3181
Ward, J. M. 1113
Ward, P. 280
Ward, V. K. 1042
Wardle, D. A. 639, 1786, 2113, 3053, 3927, 3938
Wardman, P. 4565
Warne, E. L. 417
Warne, T. R. 5010
Warrell, E. 4326
Warwick, S. I. 1809
Washitani, I. 4788
Wasilewska, B. 5075
Wassman, R. C. 781
Wasylikowa, K. 2805
Watanabe, K. 1901
Watanabe, M. 3530
Watanabe, O. 3943
Watanabe, T. 174, 4798
Waterhouse, D. F. 1197, 1732
Waters, R. 1487
Waters, R. M. 4454
Watkinson, A. R. 3073
Watschke, T. L. 923, 3185, 3194, 3378
Watson, A. K. 882, 1023, 3288, 4853
Watson, K. G. 4004
Watson, R. 4723
Watson, R. W. 5151
Watt, T. A. 3465
Wattamwar, M. J. 5039
Watts, D. W. 569
Watts, M. A. 4034
Wauchope, R. D. 180, 1886
Waugh, C. D. 4234
Wauters, A. 5102
Wax, L. M. 1517, 3222, 4421
Wazir, S. S. 2107
Weatherwax, S. C. 847
Weaver, S. E. 944, 986, 3235, 3936
Webb, M. 51
Webb, N. R. 4413
Webb, S. R. 4543
Webber, C. L., III 1237, 1662
Weber, A. S. 4007, 4082
Weber, B. 827
Weber, D. F. 1035
Weber, G. 4384, 4731
Weber, H. 3715
Weber, H. C. 2548
Weber, J. B. 615, 632-633, 3659
Weber, N. E. 4322
Weber, R. 1885
Weber, W. 4469
Webster, G. R. B. 822
Webster, T. M. 2655
Webster, W. B. 3831
Wedberg, J. L. 289
Weed, D. A. J. 3159
Weerasuriya, Y. 2995
Wegmann, K. 1278, 2929, 2936
Węgrzynek, B. 3762
Wehner, J. M. 672
Wehtje, G. R. 786, 1127, 1491, 3376
Wei, C. C. 4066
Wei, H. 4740
Wei, Q. 1596
Weidenhamer, J. D. 1784
Weigand, S. 879
Weigelt, D. 1278
Weigl, T. 1175
Weil, H. 1907
Weil, L. 1047, 1871, 3618
Weiler, E. W. 2766
Weiner, J. 910
Weins, C. 1870
Weis, K. 3971
Weise, D. R. 33
Weise, S. F. 718, 940, 1387-1388, 2208, 3052, 3265
Weisenburger, D. D. 154
Weiss, F. 4353
Weisser, P. 4972
Wejnar, R. 4285
Welbourn, P. M. 2563
Welch, S. J. 3622
Welin, B. 4836
Weller, S. C. 4659
Wells, H. D. 458
Wells, J. W. 577
Wells, M. J. M. 1876
Wells, R. D. S. 4308
Welsby, S. M. 1795
Welsh, R. D. 4162
Welther Sándor, M. 2718
Welty, R. E. 378
Welzel, P. 1278, 2929
Wen, C. K. 4769
Wendel, J. F. 2639
Wentworth, J. E. 12
Wentworth, T. R. 349
Werf, H. M. G. van der 334
Werger, M. J. A. 3438, 4784
Werner, E. L. 290, 2430, 5063
Wesenbeeck, I. J. van 3170
Wesolowski, M. 3206
Wesołowski, P. 299
Wesselingh, R. A. 2540, 4352
West, H. M. 2908
West, J. 533
West, M. S. 358
West, S. H. 1247
West, T. M. 3741
Westcott, N. D. 4472
Wester, D. B. 1727
Wester, R. C. 1477
Westerbergh, A. 1417, 3489
Westerdijk, C. E. 327, 4681
Westerman, R. B. 2086, 3830
Western, N. M. 3699
Weston, L. A. 2375, 3334, 4659
Westra, P. 1188, 2432, 3932, 4368, 4405
Westveer, K. 4891
Wettasinghe, A. 4064
Wetzel, C. M. 87
Wetzel, L. T. 1899
Wetzell, S. 4086
Wevers, J. D. A. 2885
Weyers, J. D. B. 1504
Weymann, P. 4513
Weymouth, G. 3443
Whalley, R. D. B. 2172
Whateley, T. L. 1962, 3229
Wheeler, A. W. 375
Wherhan, M. 630
Whigham, D. F. 5131
Whisenant, S. G. 1257, 2530
Whitaker, M. J. 237
White, D. E. 1081
White, F. M. M. 4136
White, G. J. H. 4
White, I. R. 1005
White, L. J. 1441
White, R. J. 1556
White, S. L. 3589
Whitehand, L. C. 415
Whitehead, L. 596
Whitehead, R. 1738
Whiting, G. J. 855
Whitmore, J. C. 1630
Whitmore, P. 881
Whitmore, R. W. 590
Whitson, T. D. 2033
Whittaker, J. B. 390, 545, 2659, 3104
Whitton, J. 4406, 4814
Whitwell, T. 142, 626, 2732
Whytock, G. P. 42, 264, 937, 4312
Wichman, D. M. 3472
Wickman, D. 4456
Wicks, G. A. 1795, 2434, 2824, 4980
Wicks, R. J. 3654
Wicks, T. W. 1728
Wideman, A. S. 1556
Widera, M. 5059
Widerski, K. 724, 4607
Widmoser, P. 617, 624
Wieczorek, M. 5146
Wiedel, B. 4845
Wiedenhoff, H. 2868
Wiederholt, R. J. 1811
Wield, P. T. 4491
Wienand, K. T. 3398
Wienhold, B. J. 614, 627, 1959, 4077
Wiens, M. J. 310
Wierenga, P. J. 4507
Wierinck, I. 2331
Wiersema, J. H. 3009
Wierzbicki, K. 3906
Wiese, A. F. 333, 729, 5127
Wiesendanger, J. A. 4943
Wigand, C. 1308
Wigfield, Y. Y. 1888, 3574
Wijesinghe, D. K. 1768
Wijk, C. A. M. van 381, 1265, 2114
Wijk, C. A. P. van 770
Wijnands, F. G. 4601
Wilber, G. G. 2333
Wilcox-Lee, D. 3385
Wilcut, J. W. 786, 1127, 1644, 1646, 1648, 2503, 2880, 3680, 4582
Wilen, C. A. 4404
Wiles, L. J. 3743
Wiles, R. 3584
Wiley, G. R. 2503
Wilke, B. M. 3671
Wilkie, J. S. 1028
Wilkins, A. L. 3415, 3977
Wilkins, R. M. 3705
Wilkins, R. N. 337
Wilks, M. F. 603
Willard, T. S. 2211
Willemsen, A. 1686
Willetts, A. J. 4518
Williams, D. 1787, 4108
Williams, D. G. 29
Williams, J. 4025
Williams, J. H. H. 2905
Williams, L. A. D. 4596
Williams, M. C. 826
Williams, M. M., II 3404
Williams, P. A. 5113, 5129
Williams, R. A. 5117, 5137
Williams, R. J. 3593, 3630, 4071
Williams, R. K. 2302
Williams, R. L. 403
Williams, S. A. 847
Williams, W. P. 1837
Williamson, A. R. 3593
Williamson, D. R. 335
Williamson, G. B. 1784
Williamson, M. 213, 961
Willis, G. H. 2754, 4510-4511, 4921
Willmer, C. M. 3973
Willows, R. D. 2145
Wills, G. D. 1568
Wilmer, J. A. 645
Wilmink, A. 664
Wilson, C. A. 2923

Wilson, C. G. 3998, 5142, 5152
Wilson, D. 1718
Wilson, D. W. 387
Wilson, G. V. 4461
Wilson, H. P. 649
Wilson, J. E. 1830
Wilson, J. P. 458
Wilson, L. J. 4437
Wilson, L. M. 845, 2455
Wilson, L. Y. 599
Wilson, M. F. 439
Wilson, P. C. 142, 626
Wilson, P. J. 964, 3953
Wilson, R. G. 1622, 2509, 3792
Wilson, S. B. 2370
Wilson, S. D. 4371
Windhövel, U. 1533
Wing, R. E. 3703
Winnett, G. 1914
Winslow, N. 1566
Winter, W. 547
Winters, A. L. 2905
Winzenberg, K. N. 1028
Wirth, H. 2654
Wischnewsky, M. B. 173
Wise, C. J. C. 5002
Wiseman, J. S. 204
Wiśniewski, E. 2741
Wissemeier, A. H. 1842
Witkowski, F. 1749, 1986
Witrzens, B. 211
Witt, H. L. 1564, 2495
Witte, L. 1697, 1841
Witte, R. 2288
Wittenbach, V. A. 1938
Wittkamp, J. 49
Wittmann, C. 135, 1459, 2296
Wodecka, C. 681
Woehlecke, H. 989, 1826
Woerden, I. C. van 2985
Wójcicki, J. J. 871
Wojciechowski, M. F. 4715
Wójcik-Wojtkowiak, D. 2663
Wojterska, H. 2629, 2666
Wojterska, M. 2626, 2629, 2678
Wojterski, T. 2626, 2629-2630, 2666
Wolf, D. D. 947, 2653
Wolf, E. 4591
Wolf, T. M. 3188, 3646, 4545
Wolfe, M. F. 4457
Wolfenbarger, D. A. 3832
Wolff, P. 2575
Wöll, T. 2216
Wollam, J. D. 2429
Wollnik, H. 115
Wolswinkel, P. 843
Wolter, F. P. 3083
Wolters, G. L. 1208
Womac, A. R. 234
Womach, J. 2396
Womack, J. G. 383
Wong, H. 4829
Woo, H. H. 1667
Wood, J. E. 202
Wood, S. 596
Woodall, G. 2122
Woodbury, A. H. 387
Woodcock, J. 3369
Woodell, S. R. J. 2176
Woodrow, J. E. 4915
Woods, K. D. 1255
Woods, P. W. 4196
Woodson, W. R. 2996
Woodward, F. I. 38, 928
Woon, G. W. 1513
Worrall, F. 3642
Worsham, A. D. 2935, 3499
Worsham, D. 238
Wortberg, M. 2727
Wortham, H. 2297
Woźnica, Z. 1553, 2384, 4122, 4124, 4209, 4575, 4640
Woźny, J. 4594
Wratten, S. D. 5190
Wright, A. T. 1215
Wright, B. 968
Wright, C. 1025
Wright, D. L. 1192
Wright, G. M. 204, 265-266
Wright, J. P. 195
Wright, K. M. 1519, 2269
Wright, L. L. 342
Wright, S. 5107
Wright, S. D. 4688-4689
Wright, T. R. 2793, 2797
Wróbel, E. 5030
Wrubel, R. P. 1817
Wu, J. 1592
Wu, L. L. 4578
Wu, S. H. 85
Wu, T. F. 797
Wu, Y. Q. 2788
Wu, Z. L. 1525
Wulf, B. 3325
Wulff, R. D. 1742
Wullems, G. J. 2948
Wullstein, L. H. 3057
Wunderlin, R. P. 1790
Wünsch, G. 3564
Wüst, S. 1044, 2295
Wyatt, R. 904, 4269
Wyse, D. L. 723, 1143, 2328, 4920
Wyss, E. 3542
Xi, Y. 2900
Xia, X. Q. 3664
Xie, H. S. 1151, 1932, 2770
Xie, H. S. S. 4971
Xin, W. J. 3227
Xing, X. H. 4933
Xu, J. 4029
Xu, X. 4898
Xu, X. L. 292
Xue, G. 292
Xyländer, M. 1290
Yabusaki, Y. 4956
Yadav, P. K. 3315
Yadav, R. A. 2873
Yadav, R. C. 2440
Yadav, S. K. 4797
Yadav, S. R. 1367
Yadava, R. A. 5024
Yadegari, R. 885
Yadev, S. K. 5040
Yaduraju, N. T. 2065, 2505
Yagi, H. 3840
Yagi, K. 4025
Yaguchi, K. 4045, 4517
Yahara, T. 503
Yakir, D. 3949
Yamada, K. 4044, 4542
Yamaguchi, I. 1848
Yamaguchi, K. 3287
Yamaguchi-Shinozaki, K. 189, 3100
Yamamoto, H. 602
Yamamoto, M. 1481, 3216
Yamanaka, H. 3552
Yamane, Y. 4044
Yamano, T. 4488
Yamashita, M. 160
Yamashita, T. 4471
Yamasue, Y. 4766
Yamato, S. 673, 4113
Yamauchi, T. 68
Yamdagni, R. 1800
Yan, B. W. 4015
Yan, Z. 1275, 2547
Yan, Z. F. 1341
Yan, Z. G. 2547
Yana, K. L. 1351
Yanase, D. 4111-4112
Yang, C. M. 4827
Yang, D. X. 4573
Yang, J. H. 1592
Yang, K. C. 2187
Yang, S. L. 2788
Yang, X. B. 2277
Yang, X. F. 1525
Yang, Y. Y. 1848
Yankyavichyus, K. 2568
Yannitsaros, A. 4299
Yao, S. 797
Yarborough, D. E. 4390, 4925
Yarden, O. 1497
Yasin, J. Z. 1775, 4648
Yasui, K. 4448, 4561
Yasutani, I. 536
Yates, T. J. 4970
Ye, B. 1814
Ye, F. H. 654
Yechieli, Y. 3949
Yee, J. 1235
Yeh, H. C. 3596
Yehia, H. R. 2085
Yehia, Z. R. 2084, 2649
Yèhouénou, A. 2831
Yeiser, J. L. 341, 820-821, 5117, 5137
Yen, J. H. 2319
Yen, P. Y. 178
Yenish, J. P. 3499
Yeo, A. R. 1805
Yerkes, C. 3404
Yicheny, X. 2130
Yildirim, A. 1745
Yin, L. P. 1341
Yin, T. 1108
Ying, B. P. 4713
Yoda, R. 4043
Yokota, E. 4288
Yokota, S. 3490
Yokoyama, N. 1025
Yon, D. A. 138
Yoneda, H. 4014
Yoneyama, K. 1538, 2935
Yoo, C. H. 1649
Yoo, I. D. 3248
Yoon, C. S. 1928
York, A. C. 786, 1645, 2880, 4408, 4582
Yoshiba, Y. 3100
Yoshida, H. 3192
Yoshida, K. 2700, 4589
Yoshida, M. 1901
Yoshida, S. 1009, 1537-1538, 3208, 3692, 4146
Yoshikawa, H. 2282
Yoshino, T. 4933
Yoshiyama, Y. 4489
Yost, S. E. 3468
You, Z. G. 4578
Young, A. J. 1831, 1839
Young, B. W. 234
Young, D. L. 4647
Young, F. L. 255, 3317
Young, J. A. 2102, 3919, 4329
Young, J. E. B. 260
Young, W. C., III 1618-1619
Yousef, M. I. 4490
Yow, P. G. 4201
Yu, C. W. 4083
Yuan, G. Q. 1596
Yuan, H. L. 2354
Yuan, S. Z. 1596
Yuan, Y. 1596
Yue, D. 4959
Yue, S. X. 2354
Yuen, G. Y. 3405
Yufit, D. S. 3556
Yuhas, D. A. 1452
Yurlina, M. E. 977
Yurukova, L. D. 2573
Zabkiewicz, J. A. 4127
Zablotowicz, R. M. 4917
Zackrisson, O. 2539
Zadoks, J. C. 1765, 4321
Zahm, S. H. 4590
Zahradníčková, H. 4864
Zaicou, C. 1591
Zaidan, L. B. P. 1350
Zaitoun, F. M. F. 2953, 2970, 2985
Zakaria, A. A. 2965
Zakharenko, A. V. 3740
Zaki, M. 2925, 4275
Zákravský, P. 1398
Zalom, F. 2411
Zalucki, M. P. 4142
Zambolim, L. 640-641
Zanchin, A. 1710
Zanewich, K. P. 1503
Zanin, G. 629, 958, 982, 1210, 1605
Zapf, A. 3123
Zaragoza, C. 2228, 2252, 2436, 2486, 2492
Zaragoza Larios, C. 2582
Zaranyika, M. F. 2148, 4284
Zarina, B. 2545
Zarnstorff, M. E. 442
Zarzycki, K. 871
Zasada, J. C. 363, 817
Zashchita Rasteniĭ 3033, 3755
Zawiślak, K. 5031
Zech, B. 3275
Zedaker, S. M. 193, 336, 5132
Zee, S. E. A. T. M. van der 4073
Zemrag, A. 2974
Zeng, J. Z. 2788
Zenin, L. S. 1968
Zepu, D. 2832
Zer, H. 3205
Zerr, V. 2813
Zhang, H. R. 1879
Zhang, J. 208, 1126, 2351, 2788, 3920
Zhang, J. H. 3235, 4179, 4207
Zhang, L. 4015
Zhang, M. 3093
Zhang, W. M. 860
Zhang, X. 2900
Zhang, Y. C. 4695
Zhang, Y. H. 1277
Zhao, C. M. 1596
Zhao, D. J. 4740
Zhao, J. 173, 2734
Zhao, L. H. 1764
Zhao, Z. H. 1821
Zheleva, D. 2778
Zhenbin, W. 2130
Zheng, S. Q. 1858, 3169
Zheng, S. Z. 4740, 5170
Zhenguo, Y. 2198
Zherebko, V. M. 3313
Zhiqian, L. 3004
Zhivitskiĭ, G. P. 1654
Zhou, R. 1500
Zhou, T. 3547
Zhou, W. 2900
Zhou, X. 1500
Zhou, Y. 4001
Zhu, H. 1549, 1552
Zhu, L. H. 2354
Zhu, X. J. 1674
Zhu, X. P. 2788
Zhuicova, V. S. 4743
Zhuikova, S. 1309
Zhukov, Yu. P. 737
Zidack, N. K. 2715
Zidar, V. 131
Ziegenfuss, M. C. 2744, 4054
Ziegler, H. 3859, 3864
Zieliński, J. 2623
Ziliotto, U. 982
Zimdahl, R. L. 170, 711, 3160
Zimińska, Z. 4230, 4704
Živanonić, M. 1917
Živanović, B. 998
Živanović, M. 4530
Zivitz, M. J. 2174
Zlinská, J. 4400, 4720
Zmerli, K. 2536
Zobnina, V. P. 181
Zolotarev, V. N. 3793
Zoltan, B. 744
Zoonen, P. van 112, 4010
Zopfi, H. J. 2988
Zoschke, A. 722
Zotov, A. A. 1620
Zsolnay, A. 630
Zubal, P. 4638
Zubkova, E. K. 2270
Zudilkin, N. V. 4120
Žugelj, B. 3764
Żukowski, W. 2680
Zullei-Seibert, N. 3668, 4032
Zuman, P. 1040, 3121
Zunk, K. 4351
Žurić, M. 131
Zutshi, D. P. 857
Zutter, B. 5128
Zutter, B. R. 351, 354, 804, 939
Zuydam, R. P. van 4587
Zuza, V. S. 3508
Zwanenburg, B. 2921, 2928, 2948, 2997
Zwanepol, S. 4681
Zwerger, P. 1996, 3074
Zwick, W. 1231
Zwickenpflug, W. 1908
Zwiener, C. 3618

Zwinger, S. W. 5026
Zwölfer, H. 3539
Zwolinski, J. B. 348, 354, 5116
Zygadlo, J. A. 2696

SUBJECT INDEX

Abelmoschus esculentus (*see* Okras)
Abies alba
Pteridium aquilinum, France 4247
weed control, growth rate 4247
Abies balsamea
herbicides
birds 1906
environmental impact 1906
growth rate 4242
survival 4242
raspberries
as weeds
Canada 4242
plant competition 4242
Rubus, Canada 1906
Abies grandis
Pteridium aquilinum, USA 4699
Rudbeckia occidentalis, USA 4699
Abies lasiocarpa
Pteridium aquilinum, USA 4699
Rudbeckia occidentalis, USA 4699
Abies nordmanniana, Denmark 3660
Abscisic acid 188, 436, 443, 643, 645, 658, 847, 1109, 1113, 1334, 1500-1502, 1504, 1506, 1820, 2133, 2145, 2266, 2367, 2697, 2767, 3100, 3672, 3674-3675, 3872, 3973, 4535, 4537, 4769, 4941, 5171
Abscisic acid, C-1-azido- 2145
Abutilon theophrasti
biology
carbon dioxide 3933
carbon pathways 1766
composition 3222
enzymes 3222
flowering 467, 1766, 3032
fruits 467
growth rate 467, 926, 1766, 3933, 4358
isomerases 3222
leaf area 926
leaves 1000, 3933, 4421
light 1000
metabolic inhibitors 3222
morphology 467
mortality 1766
nastic movements 1000
photoperiodism 3032
photosynthesis 1000, 1766, 3933
plant diseases 4381-4382
plant height 3032
reproduction 467, 928, 1381, 4358
ripening 467
roots 4421
temperature 1766
transpiration 1000
water relations 31, 1000, 3933, 4421
xylem 4421
control
biological control 1023, 2714, 3114, 3545
chemical control 288, 424, 1557, 1562, 2069, 2431, 3237, 3794, 4002, 4382, 4452, 4455, 4643, 5109
cultural control 467, 2431, 2602, 3794
integrated control 2431
physical control 2431, 3794
cotton
plant competition 31
soil water 31
water relations 31
ecology
biotypes 1810
carbon dioxide enrichment 925-926, 928, 1766
chemotaxis 3923
emergence 3032
exudates 3923
light 467
mycorrhizas 1381, 4358
nutrient uptake 1766

Abutilon theophrasti *cont.*
ecology *cont.*
plant competition 925, 1766, 1810, 2647, 3933
population density 928, 4358
population dynamics 928, 1381, 1766
seasonal variation 3032
soil bacteria 3923
survival 2602
temperature 926, 1766
herbicides
adjuvants 1566, 1922, 2775
application rates 424, 1810
bioassays 3552, 4452
chlorophyll 4118
circadian rhythm 4118
degradation 649, 1120, 4943
development 1922
growth rate 424, 2714, 3114
leaf age 2775
leaves 1913, 4943
light 4118
morphology 424
photosynthesis 4118
rain 1913
resistance 1810, 3545
retention 1566, 1913
roots 2714, 3114
selectivity 649
stomata 1922
surfactants 1566
translocation 649, 1120, 4943
uptake 424, 649, 1120, 1566, 1922, 2775, 4118, 4943
water relations 4118
water stress 2775, 4118
waxes 2775
hosts, fungi 3981
Italy 467
Japan 3032
lucerne
allelopathy 3058
emergence 3058
growth rate 3058
seed germination 3058
survival 3058
maize
chemical control 1557
climate 2657
demography 2218
economic thresholds 2657
economics 4382
emergence 2218, 4382
flowering 2218
introduction 2218
life cycle 2218
phenology 2218
plant competition 1776, 2657
population density 2657
population dynamics 4382
seed banks 2218, 4382
seed production 2657
Spain 2218
survival 4382
USA 288, 2431, 2602, 2657
yields 1776, 2657
oats, USA 2602
seeds
light 467
seed banks 5, 2218, 2602, 4381-4382
seed dispersal 5
seed dormancy 467
seed germination 467, 897, 1766, 2602
seed production 467, 2218, 2602, 3032, 4381-4382
seed quality 1381
seed size 1381
seed weight 467, 3032
temperature 897, 1766
soyabeans
economics 4382
emergence 4381-4382
hosts of plant diseases 3981

Abutilon theophrasti *cont.*
soyabeans *cont.*
plant competition 1776, 4381
population density 4381
population dynamics 4382
seed banks 4381-4382
seed production 4381
survival 4381-4382
USA 2602, 3981, 4381, 4643
yields 1776, 4381
sugarbeet
chemical control 2069
control 2069
sunflowers
carbon dioxide 3933
growth rate 3933
leaves 3933
photosynthesis 3933
plant competition 3933
water relations 3933
Trifolium, USA 2602
USA 1000, 1381, 1810, 4358
AC 263,222 324, 1127, 1229, 1239, 2154, 2468, 2470
Acacia
ecology, occurrence 2627
Loranthaceae
host parasite relationships 5155
nutrient content 5155
Olax phyllanthi
composition 2122
host parasite relationships 2122
nutrient uptake 2122
xylem 2122
Viscaceae
host parasite relationships 5155
nutrient content 5155
Acacia auriculiformis
Indonesia 3365
weed control, growth rate 3365
Acacia catechu
Indonesia 3365
weed control, growth rate 3365
Acacia cyclops
ecology
cycling 3398
invasion 3398
nutrient availability 3398
fynbos, South Africa 3398
veld, South Africa 3398
Acacia karroo
Sarcophyte sanguinea
host parasite relationships 1276
symbiosis 1276
Acacia leucophloea
Indonesia 3365
weed control, growth rate 3365
Acacia longifolia
control
biological control 4260
chemical control 360, 4712
herbicides, application rates 4712
nature reserves, South Africa 360
seeds, seed predation 4260
South Africa 4712
Acacia mangium
Imperata cylindrica, Indonesia 3838
Indonesia 4696
weeds, chemical control 4696
Acacia mearnsii, control, chemical control 1964
Acacia melanoxylon
herbicides
growth rate 4240
tolerance 4240
New Zealand 4240
weed control
growth rate 4240
tolerance 4240
Acacia nilotica
control, biological control 3400
grasslands, invasion 2899

Acacia nyssophylla
Amyema preissii
flowering 1275
fruits 1275
growth rate 1275
host parasite relationships 1275
leaves 1275
seed germination 1275
survival 1275
Lysiana exocarpi
flowering 1275
fruits 1275
growth rate 1275
host parasite relationships 1275
leaves 1275
seed germination 1275
survival 1275
Acacia oraria
Indonesia 3365
weed control, growth rate 3365
Acacia saligna
control, chemical control 360
ecology
cycling 3398
invasion 3398
nutrient availability 3398
fynbos, South Africa 3398
nature reserves, South Africa 360
veld, South Africa 3398
Acacia villosa
Indonesia 3365
weed control, growth rate 3365
Acalypha virginica, hosts, fungi 544
Acanthospermum hispidum
control
chemical control 2503, 4604
integrated control 4604
physical control 4604
herbicides, residual effects 4604
Acari, control, *Chromolaena odorata* 3952
ACC 646, 1115, 2765, 2996-2997, 4091, 4730
Acer
Canada 4978
herbicides
aerial application 4978
canopy penetration 4978
deposition 4978
drift 4978
Acer macrophyllum
control
biological control 2898
chemical control 2520
physical control 2520
hosts, fungi 2898
Pseudotsuga menziesii
growth rate 5130
plant competition 5130
plant height 5130
USA 2520, 5130
Acer pensylvanicum
biology, growth rate 361
control
chemical control 800
physical control 361
ecology
plant competition 361
regenerative ability 361
survival 361
forests, Canada 800
herbicides, application rates 800
seeds, seed germination 361
Acer rubrum
bogs
plant communities 5163
USA 5163
weed associations 5163
control
chemical control 351-352, 821
cultural control 352
integrated control 352
physical control 351
forests, plant competition 821
herbicides
application date 821
birds 1906
economics 821
environmental impact 1906
surfactants 5132
translocation 5132
tree injection 821
Acer rubrum *cont.*
herbicides *cont.*
uptake 5132
water relations 5132
Pinus taeda
growth rate 351-352
plant competition 351-352
plant height 351
yields 351
Rubus, Canada 1906
weed control, population density 3372
Acer saccharinum
control
chemical control 4693
physical control 4693
herbicides, susceptibility 4693
Acer saccharum
biology, growth rate 361
control
chemical control 800
physical control 361
ecology
plant competition 361
regenerative ability 361
survival 361
forests, Canada 800
herbicides
application rates 800
degradation 4880
residues 4880
seeds, seed germination 361
Acer spicatum
control, chemical control 800
forests, Canada 800
herbicides, application rates 800
Acetamide, 2-chloro-*N*-(2,6-dimethylphenyl)-*N*-(2-methoxy-1-methyl)- 4550
Acetanilide, 2-chloro-2′,6′diethyl-N-(2-propoxyethyl)- 3193
Acetic acid, 2-dimethylphosphinoyl-2-hydroxy- 4559
Acetochlor
analytical methods
gas chromatography 4463
HPLC 4463
mass spectrometry 4463
application date
maize 3268
sunflowers 2061
application rates, *Setaria italica* 4500
bioassays, *Setaria italica* 4500
chemistry, photolysis 2718
control
Amaranthus powellii, sunflowers 2061
Ambrosia artemisiifolia, sunflowers 2061
Coronilla varia, maize 3268
Cyperus rotundus, sweet potatoes 1633
Digitaria sanguinalis, sweet potatoes 1633
Echinochloa crus-galli, sunflowers 2061
Orobanche cernua, sunflowers 1643
weeds
maize 3771, 4500
sunflowers 2061
sweet potatoes 1633
cytochrome P-450, maize 651
damage
maize 651
sunflowers 1643
degradation, maize 651
growth rate
maize 3268
Setaria italica 4500
sunflowers 2061
interactions, herbicides 2061
plant height, sunflowers 2061
residues
atmosphere 4463
rain 4463
river water 4463
soil 4500
safeners, maize 651
selectivity, sunflowers 2061
soil
persistence 4500
soil types 4500
Acetochlor *cont.*
tolerance, maize 651
yields
sunflowers 1643, 2061
sweet potatoes 1633
Achillea millefolium
biology
composition 1007-1008
essential oils 1007
genetic variation 1008
oils 1008
ploidy 1008
Germany 1008
utilization, essential oils 1007-1008
Achillea ptarmica, hosts, insects 3105
Achyranthes aspera
biology
amino acids 2708
carbohydrates 2708
composition 2708
lipids 2708
phenolic compounds 2708
proteins 2708
water relations 2708
groundnuts
hosts of plant pests 2708
India 2708
hosts, insects 2708
Acifluorfen
adjuvants
Abutilon theophrasti 1922
soyabeans 2469, 3794, 4643
analytical methods, thin layer chromatography 2305
application, surfactants 1040
application date
groundnuts 324, 1648
soyabeans 2037, 3795, 3827, 4643
application rates, soyabeans 1626, 3794
binding sites, maize 2363
bioassays, cucumbers 2793
cell culture, tobacco 673
cell membranes, maize 2363
chlorophyll
cucumbers 2793
tobacco 673
chloroplasts, spinach 3208
composition, maize 1930
control
Abutilon theophrasti, soyabeans 3794, 4643
Amaranthus, soyabeans 3794
Amaranthus albus, soyabeans 3795
Amaranthus palmeri
groundnuts 325
soyabeans 3795
Amaranthus quitensis, soyabeans 2037
Amaranthus retroflexus, soyabeans 3795
Amaranthus rudis, soyabeans 3795
Amaranthus spinosus, groundnuts 324
Ambrosia artemisiifolia
groundnuts 2880
soyabeans 2469
Anoda cristata, groundnuts 2880
Chenopodium album
groundnuts 1648, 2880
soyabeans 3794
Eclipta prostrata, groundnuts 1648
Ipomoea, groundnuts 1648
Ipomoea lacunosa, groundnuts 2880
Panicum texanum, groundnuts 325
Pharbitis hederacea, groundnuts 2880
Setaria viridis, Phaseolus vulgaris 310
Sida spinosa, groundnuts 1648, 2880
weeds
Phaseolus vulgaris 310
soyabeans 1626, 3313, 3794, 3827
damage
maize 1930
Phaseolus vulgaris 310
soyabeans 1626, 2469, 4950
development, *Abutilon theophrasti* 1922
economics
groundnuts 2880
Phaseolus vulgaris 310
enzymes
barley 1939

Acifluorfen *cont.*
enzymes *cont.*
maize 2363
tobacco 673, 4113
etioplasts, tobacco 4113
formulations 1556
growth rate
maize 1930
soyabeans 4950
hybrids, maize 1930
interactions
adjuvants 1922, 2469, 3794, 4643
fertilizers 4643
herbicides 2469, 3313, 3794, 3827, 4643
lignin 3121
surfactants 4643
leaves, spinach 3208
light, tobacco 673, 4113
malonaldehyde, maize 1930
membrane permeability, cucumbers 2793
membranes, tobacco 4113
metabolism, spinach 3208
mitochondria, tobacco 4113
mode of action
barley 1939
tobacco 4113
oxidoreductases, maize 2363
peroxidases, tobacco 673
pH, tobacco 4113
pigments, cucumbers 2793
plant height, soyabeans 4950
plant pests, soyabeans 2764
protoporphyrin
barley 1939
maize 2363
spinach 3208
tobacco 4113
residues
drinking water 2305
soil 1911, 2764, 3163
water 2305
seed weight, soyabeans 1626
soil
humus 3163
Nematoda 2764
organic matter 1911, 3163
pH 1911
soil types 1911
sorption 1911, 3163
stomata, *Abutilon theophrasti* 1922
stomatal resistance, soyabeans 4950
surfactants, soyabeans 4643
susceptibility, barley 1939
synergism, cucumbers 2793
tolerance, tobacco 673
uptake, *Abutilon theophrasti* 1922
yield components, soyabeans 1626, 4950
yields
groundnuts 324-325, 1648, 2880
Phaseolus vulgaris 310
soyabeans 1626, 2469, 4643
Aclonifen
application date
maize 3770
peas 3318
potatoes 313
sorghum 4182
sunflowers 2875
application methods
maize 3770
potatoes 313
application rates
maize 3770
potatoes 313, 3805
climate, sunflowers 2875
control
Amaranthus, sunflowers 2875
Amaranthus retroflexus
maize 1590
peas 1590
potatoes 1590
sorghum 4182
sunflowers 1590
tobacco 1590
tomatoes 1590
Chenopodium, sunflowers 2875
Chenopodium album, sorghum 4182
Echinochloa crus-galli, sorghum 4182
Galium aparine, potatoes 3805
Galium tricornutum, potatoes 3805
Aclonifen *cont.*
control *cont.*
Poaceae, potatoes 313
Polygonum, sunflowers 2875
Polygonum aviculare
maize 1590
peas 1590
potatoes 1590
sunflowers 1590
tobacco 1590
tomatoes 1590
Solanum, sunflowers 2875
Solanum nigrum
maize 1590
peas 1590
potatoes 1590
sorghum 4182
sunflowers 1590
tobacco 1590
tomatoes 1590
sunflowers, as weeds, sunflowers 2062
weeds
maize 1590, 3275, 3770-3771
peas 1590, 3318
potatoes 1590
sunflowers 1590
tobacco 1590
tomatoes 1590
damage
maize 3770
potatoes 3805
sorghum 4182
sunflowers 2875
interactions, herbicides 4182
legislation, France 3770
mode of action 313, 3770
rain, maize 3770
residues, soil 3770
soil
persistence 3770
soil types 3805
soil water, maize 3770
variety trials, potatoes 3805
yields
potatoes 3805
sunflowers 2875
ACN 2369
Acorus calamus
biology
ethanol 4745
fermentation 4745
lactic acid 4745
malic acid 4745
metabolism 4745
nucleotides 4745
pH 4745
rhizomes 4745
ecology
anoxia 4745
hypoxia 4745
survival 4745
waterlogging 4745
Acrolein
analytical methods, HPLC 1038
growth rate, *Lemna minor* 3436
nutrient uptake
algae 3436
cyanobacteria 3436
registration, Canada 3436
toxicity
aquatic organisms 3436
ecosystems 3436
Acroptilon, control, biological control 104
Acroptilon picris *(see Acroptilon repens)*
Acroptilon repens
biology
development 3033
flowers 4770
genetic variation 4770
morphology 3033
pollination 4770
reproduction 3033, 4770
sugars 4770
Bromus inermis
light 3791
plant competition 3791
Russia 3791
control
biological control 566
chemical control 3023, 3033, 3187
Acroptilon repens *cont.*
control *cont.*
cultural control 3033, 3791
physical control 3033
Datura stramonium, hosts of plant diseases 566
ecology
invasions 4770
regenerative ability 3033
fodder crops, Russia 3791
herbicides
application date 3023
application rates 3023
surfactants 3187
translocation 3187
uptake 3187
water stress 3187
hosts
bacteria 566
beneficial insects 4770
insects 104
Nematoda 104
pathogens 104
maize, Russia 3791
sorghum, Russia 3791
Sorghum sudanense, Russia 3791
sunflowers, hosts of plant diseases 566
tobacco, hosts of plant diseases 566
tomatoes, hosts of plant diseases 566
Turkey 3023
Acrostichum aureum
biology
cytology 1713
pollen 1713
taxonomy 1713
ecology, distribution 1713
Adansonia digitata
Burkina Faso 801
weed control
damage 801
regenerative ability 801
Adecypenol 1856
Aegilops cylindrica
control, chemical control 5061, 5127
ecology
distribution 4345
disturbed land 2169
habitats 4345
introduction 2169
population dynamics 2169
fallow, USA 5127
grasslands, USA 5061
herbicides, application date 5127
roadsides, Israel 4345
seeds
seed banks 2169
seed dormancy 446, 901, 2169
seed germination 446, 901
seed predation 2169
viability 901
Aeginetia indica
biology
flowering 1359
fruiting 1359
ecology, distribution 1359
Aegopodium podagraria
Cuscuta europaea
chlorophyll 2128
flowering 2128
growth rate 2128
host parasite relationships 2128
Lithuania 2128
Aerva monsonia
biology
emergence 4339
flowering 4339
fruiting 4339
phenology 4339
seeds, seed dispersal 4339
Aeschynomene aspera
rice
seasonal variation 3515
surveys 3515
Aeschynomene indica
control, cultural control 1406
herbicides
composition 2791
pigments 2791
rice
occurrence 1791
population density 1406

Aeschynomene rudis
ecology
distribution 3062
habitats 3062
phenology 3062
Aeschynomene virginica
control, biological control 2018
Medicago lupulina, hosts of plant diseases 4849
Aethusa cynapium
barley
Germany 726
plant competition 726
population density 726
yields 726
control
chemical control 272, 330, 726
integrated control 272
physical control 272
maize
Germany 726
plant competition 726
population density 726
yields 726
peas
Germany 726
plant competition 726
population density 726
yields 726
rape
Germany 726
plant competition 726
population density 726
yields 726
rye
Germany 726
plant competition 726
population density 726
yields 726
sugarbeet
Belgium 330
France 330
Germany 330, 726
Netherlands 330
plant competition 726
population density 726
yields 726
wheat
Germany 726
plant competition 726
population density 726
yields 726
Africa
weed control
Alectra 398
integrated control 254
labour requirements 254
Striga 398
weeds
biology 2125
Chromolaena odorata 4147
economics 2125
Hydrilla verticillata 856
Orobanche 2991
Striga 2125, 2991
Africa south of Sahara
weed control, *Striga* 3428
weeds
extension 3428
spread 3428
Striga hermonthica 3428
Ageratum conyzoides
chickpeas, hosts of plant pests 4846
control
biological control 1197
chemical control 1212, 1227, 3799, 4184, 4186, 4205, 4232, 4244, 4631, 4650
cultural control 3030, 4186, 4205
integrated control 4186, 4631
physical control 3799, 4184, 4186, 4205, 4232, 4631, 4650
cowpeas, hosts of plant pests 4846
ecology
distribution 3911
population density 3911
groundnuts, hosts of plant pests 4846
herbicides
leaves 3186
morphology 3186
nutrient uptake 4244, 4650
Ageratum conyzoides *cont.*
herbicides *cont.*
population dynamics 3799
resistance 3186
roots 3186
stomata 3186
translocation 3186
uptake 3186
waxes 3186
Hevea brasiliensis
emergence 3030
seed banks 3030
hosts, Nematoda 4846
maize, hosts of plant pests 4846
Nigeria 3186
oil palms
emergence 3030
seed banks 3030
Phaseolus vulgaris, hosts of plant pests 4846
pigeon peas, hosts of plant pests 4846
rice
plant competition 4631
yields 4631
seeds, seed germination 3030
soyabeans, hosts of plant pests 4846
sugarcane, surveys 4389
tomatoes, hosts of plant pests 4846
toxicity, rats 5150
Vigna subterranea, hosts of plant pests 4846
weed control, population dynamics 3799
Ageratum houstonianum, hosts, insects 1018
Agropyron cristatum
Artemisia frigida
Canada 1617
economic thresholds 1617
Bromus inermis
Canada 4371
growth rate 4371
plant competition 4371
herbicides, yields 1617
Agropyron desertorum
Agropyron desertorum, Canada 2459
biology
development 2459
growth rate 2459
reproduction 2459
tillers 2459
vegetative propagation 2459
Centaurea solstitialis
invasion 954
light 954
plant competition 954
shading 954
soil water 954
USA 954
control
chemical control 2459
integrated control 2459
physical control 2459
ecology
plant competition 2459
water relations 2459
herbicides, damage 5061
pastures, Canada 2459
utilization, fodder crops 2459
Agropyron glaucum *(see Elymus hispidus)*
Agropyron intermedium *(see Elymus hispidus)*
Agropyron repens *(see Elymus repens)*
Agropyron spicatum *(see Elymus spicatus)*
Agrostemma
seeds
salinity 4331
seed germination 4331
temperature 4331
Agrostemma githago
biology
composition 2599
development 4328
DNA 4328
enzymes 2599
proteins 2599, 4328
respiration 2599
RNA 4328
seeds
embryos 2599, 4328
imbibition 2599, 4328
light 2599, 4328
Agrostemma githago *cont.*
seeds *cont.*
plant growth regulators 2599
seed dormancy 2599, 4328
seed germination 4328
temperature 4328
Agrostis
herbicides
anatomy 1242
cytology 1242
damage 1242
morphology 1242
Agrostis capillaris
biology
flowering 4799
genetic variation 4799
life history 4799
reproduction 4799
control
chemical control 3304, 4195, 4246
cultural control 3304
integrated control 3304
physical control 4246
grasslands
distribution 4799
habitats 4799
pH 4799
phenology 4799
plant communities 4799
population dynamics 4799
UK 4799
herbicides, population dynamics 4195
Hieracium pilosella
growth rate 37
plant competition 37
Hieracium praealtum
growth rate 37
plant competition 37
Poland 300
Rhinanthus alectorolophus
host parasite relationships 2988
Switzerland 2988
weed control
composition 300
yields 300
Agrostis palustris *(see Agrostis stolonifera* var. *palustris)*
Agrostis stolonifera
control
biological control 3547
cultural control 3465
Digitaria ischaemum, USA 2095
ecology
emergence 3465
fertilizers 3465
herbicides
application date 2094-2095, 3841
application rates 2094-2095
damage 2094-2095, 3841
pigments 2095
plant diseases 2095
quality 2094-2095, 5124
Poa annua, USA 3841
seeds
light 3465
seed germination 3465
seed size 3465
USA 2094, 3547
Agrostis stolonifera* var. *palustris
control, chemical control 3021
Cyperus esculentus, USA 4700
herbicides
application rates 4700
binding sites 2374
cell walls 2374
cellulose 2374
damage 4700
degradation 2374
glucose 2374
growth rate 3021, 3551
mode of action 3551
quality 4700
resistance 2374
seed germination 3021
uptake 2374
maize, allelopathy 3021
Agrostis tenuis *(see Agrostis capillaris)*
Agrostis vulgaris *(see Agrostis capillaris)*
Ailanihus altissima
biology
allelopathins 4713

Ailanthus altissima *cont.*
biology *cont.*
composition 4713
Eragrostis tef
allelopathy 4713
growth rate 4713
Indian mustard
allelopathy 4713
growth rate 4713
Lemna minor, allelopathy 4713
weeds, allelopathy 4713
Alachlor
abscission, maize 3672
analytical methods 3615
densitometry 4016
ELISA 1045, 1874, 3575
extraction 1045, 1460, 2285-2286, 2720-2721
gas chromatography 1869, 4463
HPLC 4463
immunoassay 1460
liquid chromatography 2285
mass spectrometry 1869, 4463
thin layer chromatography 4016
application
application methods 2327
application rates 2327, 2753
band spraying 2327
drift 3658
environmental impact 1959
rain 2327
safety 223
application date
groundnuts 1648
maize 2431, 3268, 3770
sunflowers 785
application methods, maize 3770, 3775
application rates
cotton 3834
Digitaria sanguinalis 1811
maize 288, 2431, 3265, 3584, 3770
potatoes 3805
Setaria faberi 1811
Setaria italica 4500
soyabeans 1625, 3265, 3584
sunflowers 2777
wheat 3265
bioassays
rape 1547
rye 1557
Setaria italica 4500
carotenoids
maize 3672
wheat 2364
cellulase, maize 3672
chemistry
chemical properties 1959
degradation 2297
photolysis 2297, 4005, 4454
structure 4454
chlorophyll
maize 3672
wheat 2364
composition
groundnuts 1535
maize 4966
wheat 2364
control
Abutilon theophrasti, maize 288, 1557, 2431
Ageratum conyzoides
Morus australis 4244
potatoes 4650
Amaranthus
Gladiolus 3382
soyabeans 1625
Amaranthus palmeri, groundnuts 325
Amaranthus retroflexus, maize 1079, 2006, 2826
Amaranthus viridis
Morus australis 4244
potatoes 3322
Anagallis arvensis, potatoes 4650
Chenopodium album
Gladiolus 3382
groundnuts 1648
maize 2006, 2431
potatoes 3326, 4650
Cleome monophylla, potatoes 3322
Commelina benghalensis
Morus australis 4244

Alachlor *cont.*
control *cont.*
Commelina benghalensis cont.
potatoes 3322
Commelina obliqua, Gladiolus 3382
Coronilla varia, maize 3268
Coronopus didymus, potatoes 3326
Cynodon dactylon
Gladiolus 3382
Morus australis 4244
potatoes 4650
Cyperus rotundus
Morus australis 4244
potatoes 3322, 3326, 4650
sweet potatoes 1633
Digitaria ciliaris, Morus australis 4244
Digitaria marginata, potatoes 3322
Digitaria sanguinalis 1811
sweet potatoes 1633
Echinochloa colonum, potatoes 3322
Echinochloa crus-galli, maize 2006, 2826
Eclipta prostrata, groundnuts 1648
Elymus repens, maize 290
Fumaria parviflora, potatoes 4650
Galinsoga parviflora, Gladiolus 3382
Galium aparine, potatoes 3805
Galium tricornutum, potatoes 3805
Gnaphalium indicum, potatoes 4650
Ipomoea, groundnuts 1648
Lolium rigidum, oats 3768
Melilotus alba, potatoes 4650
Melilotus indica, potatoes 3326
Oxalis corniculata, potatoes 4650
Oxalis latifolia, Gladiolus 3382
Panicum texanum, groundnuts 325
Pennisetum flaccidum, Gladiolus 3382
Poa annua, potatoes 3326
Poaceae, maize 101
Polygonum lapathifolium, maize 2006
Polygonum pensylvanicum, maize 288
Pteridium, Gladiolus 3382
Rottboellia cochinchinensis
maize 286
Phaseolus 286
Rumex, potatoes 3326
Rumex maritimus, Gladiolus 3382
Setaria faberi 1811
maize 288, 2431
Setaria pumila, maize 1557, 2006
Setaria viridis 425
maize 1079
Phaseolus vulgaris 310
Sida spinosa, groundnuts 1648
Solanum khasianum, potatoes 3322
Solanum nigrum, potatoes 4650
Sorghum halepense
apples 2495
peaches 2495
Spergula arvensis, potatoes 3326
Stellaria media, Gladiolus 3382
weeds
Amaranthus 4604
apples 2495
beetroots 4604
cabbages 4604
cauliflowers 4604
cotton 2083, 3834
cowpeas 2083
groundnuts 2762, 2882, 3354, 3356
Indian mustard 2066
Limnanthes alba 4234
maize 101, 178, 614, 1869, 2304, 2822, 2826, 3265, 3275, 3770-3771, 3775, 4500
okras 4604
onions 2488
peaches 2495
peas 4604
Phaseolus 4604
Phaseolus vulgaris 310, 5068
pigeon peas 2042, 2762, 3319-3320, 4213-4214
potatoes 2481
radishes 4604
rape 4230
soyabeans 758, 1625, 2467, 2848, 3265

Alachlor *cont.*
control *cont.*
weeds *cont.*
sunflowers 2762
sweet potatoes 1633
tomatoes 4604
Vigna radiata 3320
wheat 3265
damage
Limnanthes alba 4234
maize 3770, 3772
Phaseolus vulgaris 310
potatoes 3805
rye 1557
sorghum 1192
soyabeans 1625
sunflowers 785, 1518, 2777
degradation, *Vigna radiata* 4550
economics
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
Phaseolus vulgaris 310
potatoes 2481
radishes 4604
soyabeans 2467
tomatoes 4604
embryo culture, rape 1547
energy relations
maize 3265
soyabeans 3265
wheat 3265
enzymes
maize 3672, 4128, 4966
oats 2376
rape 1547
wheat 2364
fatty acids
groundnuts 1535
rape 1547
formulations 2327, 3133
carriers 223
controlled release 627, 1958-1959
emulsifiable concentrates 4500
emulsions 1557
encapsulation 288, 614, 627, 1079, 1959, 4077
liquids 3612
microencapsulation 3612, 4016, 4500
powders 1079
glutathione, maize 4966
glutathione transferase, maize 4966
growth rate
apples 2495
cotton 1905
maize 1905, 3268, 4966
okras 1905
onions 2488
peaches 2495
Setaria italica 4500
sorghum 1905
soyabeans 1928
sunflowers 1518, 1905, 2777
Vigna mungo 1905
Vigna radiata 1905
interactions
fertilizers 2431
fungicides 1192, 1535
herbicides 614, 1535, 2826, 3834
safeners 1192, 4128
leaf area, sunflowers 2777
leaves
sunflowers 2777
wheat 2364
legislation
France 3770
USA 2304
lipids, rape 1547
magnesium, groundnuts 1535
membrane potential
oats 195
wheat 195
metabolism, rape 1547
mode of action 2359, 3770
oats 195
wheat 195
morphology, sorghum 657

Alachlor *cont.*
mycorrhizas, soyabeans 1928
nutrient content, groundnuts 1535
nutrient uptake
Ageratum conyzoides 4244, 4650
Amaranthus viridis 4244
Anagallis arvensis 4650
Chenopodium album 4650
Commelina benghalensis 4244
Cynodon dactylon 4244, 4650
Cyperus rotundus 4244, 4650
Digitaria ciliaris 4244
Fumaria parviflora 4650
Gnaphalium indicum 4650
groundnuts 3356
Melilotus alba 4650
Morus australis 4244
Oxalis corniculata 4650
potatoes 4650
Solanum nigrum 4650
oils, soyabeans 1625
peroxidase, maize 4966
peroxidases, oats 2376
pigments, wheat 2364
plant diseases, sorghum 3780
plant growth regulators, maize 3672
plant height
cotton 1905
maize 1905, 4966
okras 1905
sorghum 1905
sunflowers 1905, 2777
Vigna mungo 1905
Vigna radiata 1905
population density
sorghum 3780
wheat 3780
properties, solubility 1959, 2327, 4481
proteins, soyabeans 1625
quality
groundnuts 1535
soyabeans 1625
rain
maize 3770
Setaria viridis 425
sunflowers 785
residual effects
Acanthospermum hispidum 4604
broccoli 5068
cotton 1905
cucumbers 5068
Cynodon dactylon 4604
Cyperus iria 4604
Cyperus rotundus 4604
Euphorbia 4604
Lagascea mollis 4604
maize 1905
Mollugo pentaphylla 4604
okras 1905
Phaseolus vulgaris 5068
Portulaca oleracea 4604
sorghum 1905
spinach 5068
sunflowers 1905
Vigna mungo 1905
Vigna radiata 1905
residues
atmosphere 137, 1884, 2297, 3579, 4463
drinking water 247, 2304, 3584
groundwater 1045, 3596, 3658, 4016, 4031, 4077
lakes 582, 2304, 4478
maize 1460, 3133, 4481
rain 137, 3579, 4463
river water 1884, 2304, 4463, 4876, 4916
rivers 2285
soil 178, 180, 582, 614, 627, 629, 1045, 1079, 1091, 1099, 1498, 1869, 1884, 1905, 2286, 2327, 2333, 2720-2721, 2753, 2760, 2762, 3133, 3159, 3575, 3612, 3615, 3622, 3634, 3658, 3770, 3780, 4066, 4075, 4077, 4481, 4500, 4604, 4875, 4938
soil water 629, 1091, 2753, 3658
streams 2304
surface water 627, 629, 1045, 2304
tap water 1874

Alachlor *cont.*
residues *cont.*
water 582, 1045, 1869, 1884, 2285, 2327, 2333, 4916
water reservoirs 2304
wells 1869
resistance
Digitaria sanguinalis 1811
Setaria faberi 1811
root nodules, soyabeans 1928
roots
maize 4128, 4966
sorghum 3780
sunflowers 2777
safeners
maize 4128
sorghum 1192
seed germination
cotton 1905
maize 1905
okras 1905
sorghum 1905
sunflowers 1905
Vigna mungo 1905
Vigna radiata 1905
seeds, wheat 2364
selectivity
cotton 3834
soyabeans 1625
sunflowers 785, 1518
shoots
maize 4966
sunflowers 2777
soil
Actinomycetales 4938
bacteria 1099, 1498, 4938
biodegradation 1099, 1884, 2333, 3159, 3615
chemical degradation 3615
degradation 178, 1045, 1884, 3612, 3658, 4066
denitrification 1498
enzymes 1498
fungi 1099, 1498, 3780, 4938
leaching 627, 1091, 2327, 2753, 3658, 4075, 4077
microbial activities 2760
microbial degradation 2760, 3615
microorganisms 1884, 2762
movement 627, 1079, 1884, 2327, 3634, 3658
nitrification 1498
nitrogen fixation 1498
organic matter 2760, 3615
oxygen 3615
persistence 627, 1079, 2327, 2760, 3133, 3159, 3612, 3658, 3770, 4066, 4500, 4604
pH 3615, 3780
rain 180, 1884
residues 178
respiration 2762
runoff 180, 582, 629, 1884, 2327, 2753
soil depth 3612
soil flora 4938
soil types 178, 2753, 3615, 3634, 3805, 4500
soil water 3612, 3615, 4066
sorption 178, 2327, 3622, 3658
temperature 3612, 3615
tillage 1091, 3159, 4077
volatilization 614, 3159, 3658
soil water
maize 3770
soyabeans 2848
superoxide dismutase, wheat 2364
temperature, maize 3772
tolerance
Limnanthes alba 4234
maize 4128
sorghum 1192
sunflowers 2777
toxicity
carcinogens 3584, 3596
Crustacea 3158
man 1892, 3584
mutagens 1892
public health 3596
rats 1892, 4040, 4492
tubers, potatoes 3322, 3326, 4650

Alachlor *cont.*
uptake
maize 4481
sunflowers 1518
variety trials
potatoes 3805
sorghum 1192
sunflowers 2777
water
biodegradation 2333
degradation 1045, 4031
humus 4916
movement 1884
pH 4916
photolysis 4916
yield components
cotton 3834
pigeon peas 4214
yields
Amaranthus 4604
beetroots 4604
broccoli 5068
cabbages 4604
cauliflowers 4604
cotton 2083, 3834
cowpeas 2083
cucumbers 5068
groundnuts 325, 1648, 2882, 3354
Indian mustard 2066
maize 288, 2822, 3265, 3775
Morus australis 4244
okras 4604
onions 2488
peas 4604
Phaseolus 4604
Phaseolus vulgaris 310, 5068
pigeon peas 2042, 3319-3320, 4213-4214
potatoes 2481, 3322, 3326, 3805, 4650
radishes 4604
sorghum 3780
soyabeans 758, 2467, 3265
spinach 5068
sunflowers 785
sweet potatoes 1633
tomatoes 4604
Vigna radiata 3320
wheat 3265
zinc, groundnuts 1535
Alatrif 380 EC 4230
Albizia amara
Dendrophthoe falcata
host parasite relationships 837
India 837
surveys 837
Viscum orientale
host parasite relationships 837
India 837
surveys 837
Albizia julibrissin
ecology 5110
forests, chemical control 5110
utilization 5110
Albizia lebbeck
Prosopis juliflora
allelopathy 5139
growth rate 5139
roots 5139
seed germination 5139
shoots 5139
Alders (*see Alnus*)
Alectra
biology
development 4277
genetic variation 398
life cycle 4277
cereals
development 398
host parasite relationships 398
resistance 398
seed germination 398
control, cultural control 398
ecology
distribution 4277
host parasite relationships 4277
nutrient uptake 4277
origin 4277
soil water 4277
legumes
development 398

Alectra *cont.*
legumes *cont.*
host parasite relationships 398
resistance 398
seed germination 398
seeds
seed germination 2929, 4277
stimulants 2929
Alectra vogelii
biology
germination 1693
growth stages 1693
cowpeas
host parasite relationships 2987
resistance 2987
ecology
drought 1693
host parasite relationships 1693
temperature 1693
water stress 1693
seeds
seed germination 1693
stimulants 1693
temperature 1693
water 1693
Alectryon
Lysiana exocarpi
growth rate 1275
host parasite relationships 1275
leaves 1275
seed germination 1275
survival 1275
Alfalfa (*see* Lucerne)
Algae
aubergines
biological control 862
chemical control 862
barley
allelopathy 2150, 2576
growth rate 2576
biology
drugs 3873
life cycle 1273
morphology 1273
pH 3873
reproduction 1273
salinity 3873
spores 1297
vacuoles 3873
broccoli
biological control 862
chemical control 862
cabbages
biological control 862
chemical control 862
Capsicum
biological control 862
chemical control 862
cauliflowers
biological control 862
chemical control 862
chicory
biological control 862
chemical control 862
control
biological control 421
chemical control 1195, 1273-1274, 2015-2016, 4308, 5045, 5176
cultural control 1273, 1316, 2015, 2576
cucumbers
biological control 862
chemical control 862
culinary herbs
biological control 862
chemical control 862
ecology
altitude 402
epiphytes 4741
eutrophication 4741
fertilizers 2016
habitats 402
nutrient availability 402, 1273, 2016, 4741
plant competition 1305, 2136, 4290
spread 3783
surveys 402
turbidity 4294
water pollution 1718, 3008
water quality 4294
Algae *cont.*
endives
biological control 862
chemical control 862
herbicides
ammonium 3018
application rates 1531
bioassays 129, 1879, 3682, 3693, 4453, 4563
biosynthesis 3216
cell culture 3693
cell cultures 659
cell division 2558, 4099
cell growth 4453, 4563, 4945
chlorophyll 660, 2369, 3216, 3693, 4049, 4111, 4453, 4534, 4562-4563, 4901-4902
composition 3693
cross resistance 1310
electron transfer 161
enzymes 659, 1533, 3693-3694
ethane 2369, 3693
fatty acids 1531
fluorescence 660, 4111, 4562
gas exchange 3693
genetic transformation 1533
genetics 4305
glutamate-ammonia ligase 659
glutamate dehydrogenase 659
growth rate 659-660, 1076-1077, 1510, 1531, 2369, 2558, 3448, 3682, 3693, 4099, 4102, 4534, 4901-4902, 4945, 5045
light 3018, 3693
membranes 4945
mode of action 2369, 3211, 3693-3694
mutants 3210, 4099
nitrate reductase 659
nitrite reductase 659
nitrogen metabolism 659
nutrient availability 4049
nutrient uptake 3018, 3436
oxidoreductases 3694
peroxidase 659
peroxidation 3694
pH 4049, 4945
phosphate 3018
photosynthesis 161, 660, 1077, 1531, 3018, 3211, 4049, 4111, 4901
photosystem II 3211
pigments 3693
population density 4049
population dynamics 4305
proteins 659, 1531
protoporphyrin 2369, 3693-3694
reproduction 660, 4945
resistance 1310, 1533, 3210, 3216, 3448, 3695, 4305
respiration 161, 1531
species diversity 3448, 4305, 4534
temperature 3210
thylakoids 3210
toxicity 4945
uptake 4945
Japan 4049
lakes
Canada 3018
Netherlands 4294
New Zealand 4308
leeks
biological control 862
chemical control 862
lettuces
biological control 862
chemical control 862
melons
biological control 862
chemical control 862
oil palms
epiphytes 1273-1274
host parasite relationships 1273-1274
Malaysia 1274
ponds, Japan 4305
rice
control 3783
distribution 3017
fertilizers 2015
Korea Republic 2015
salinity 2015
Thailand 421, 5045
Algae *cont.*
tomatoes
biological control 862
chemical control 862
utilization
bioassays 1879
feeds 3006, 3434
green manures 3008
indicator plants 3435
Valerianella locusta
biological control 862
chemical control 862
water reservoirs, population density 2568
Algeria
flora 2626
herbicide residues, sea water 1048
Pinus halepensis 5115
planting stock 5115
weeds
cereals 974
surveys 974
Algicides
chemistry, structure 4861
chlorophyll, cyanobacteria 4861
electron transfer, cyanobacteria 4861
mode of action, cyanobacteria 4861
photosynthesis, cyanobacteria 4861
photosystem II, cyanobacteria 4861
Alhagi comelorum, control 3746
Alisma
control, chemical control 4192
rice, Italy 4192
Alisma plantago-aquatica
biology
composition 4743
fatty acids 4743
glycolipids 4743
lipids 4743
phospholipids 4743
herbicides
bioassays 1879
photosynthesis 1879
ALL-toxin 3016
Allelopathins 1114, 1400, 1739, 1789, 1920-1921, 2018, 2150, 2340, 2342, 2546, 2560, 2665, 3028, 3179-3180, 3394, 3499, 3501, 4378, 4380, 4536, 4539-4541, 4568, 4581, 4724, 4803
Allelopathy 485, 870, 923, 927, 945, 1114, 1276, 1399-1401, 1739, 1784, 1786-1789, 1920-1921, 2113, 2150, 2219-2220, 2223, 2340, 2342, 2539, 2546, 2560-2561, 2576, 2581, 2644, 2663-2665, 3021, 3028, 3056, 3058-3059, 3179-3180, 3394-3395, 3499-3501, 3848, 4147, 4225-4226, 4378, 4380, 4385, 4539, 4541, 4568, 4800, 4803, 5139, 5184
Alliaria petiolata
biology
leaves 2270
light 2270
photosynthesis 2270
respiration 2270
ecology
seasonal variation 2270
temperature 2270
Allidochlor, control, weeds, cabbages 4656
Allium cepa (*see* Onions)
Allium fistulosum
Amaranthus spinosus
allelopathy 3059
growth rate 3059
plant height 3059
seed germination 3059
Kochia scoparia
allelopathy 3059
growth rate 3059
plant height 3059
seed germination 3059
***Allium fistulosum* × onions**
Amaranthus spinosus
allelopathy 3059
growth rate 3059
plant height 3059
seed germination 3059
Kochia scoparia
allelopathy 3059
growth rate 3059
plant height 3059
seed germination 3059

Allium porrum (*see* Leeks)
Allium sativum (*see* Garlic)
Allium sphaerocephalon
Conyza canadensis, USA 2896
Digitaria sanguinalis, USA 2896
Euphorbia humistrata, USA 2896
herbicides
development 2896
flowering 2896
growth rate 2896
tolerance 2896
Allotments, *Elymus repens,* Poland 4704
Alloxydim
acetyl-CoA carboxylase
barley 1947
oats 1947
control, weeds, sugarbeet 1656
enzymes
barley 1947
oats 1947
fatty acids
barley 1947
oats 1947
Almonds (*Prunus dulcis*)
herbicides
damage 3818
photosynthesis 3818
residual effects 3818
tolerance 3818
Jordan 5087
USA 4663
weed control
branches 5087
stems 5087
yields 4663
weeds, control 1588
Alnus rubra
control
biological control 5111
chemical control 810
forests, biological control 5111
Pseudotsuga menziesii, USA 810
Alopecurus aequalis* var. *amurensis
biology
meristems 2585
mesocotyls 2585
control, chemical control 2585
herbicides, susceptibility 2585
seeds, soil depth 2585
Alopecurus geniculatus
control
cultural control 1722
physical control 1722
Norway 1722
Alopecurus myosuroides
barley, UK 280
biology
fertility 4802
mortality 4802
transpiration 469
water relations 469
control
chemical control 263, 280, 424, 1565, 1582, 2487, 2807, 4610, 4802
cultural control 4617
integrated control 4155
ecology
biotypes 1123, 1807, 3967
drought 469
emergence 1745
population density 4802
economics, control 4802
herbicides
application date 4610
application rates 424
chlorophyll 1123
cross resistance 1807, 3967
degradation 1123, 1807, 3967
growth rate 424
morphology 424
photosynthesis 1123
resistance 1123, 1807, 3074, 3078, 3967
susceptibility 3967
translocation 1123
uptake 424, 1123
seeds
buried seeds 1745
light 1745
seed germination 1745, 4802
seed production 4617, 4802
Alopecurus myosuroides *cont.*
seeds *cont.*
temperature 1745
viability 4802
water relations 1745
Turkey 1745
weed control
emergence 4617
flowering 4617
population density 4617
seasonal variation 4617
seed production 4617
wheat
economic thresholds 2654
growth rate 482, 2654
light 482
morphology 482
plant competition 482, 2654, 4617
plant height 482
population density 2654
UK 280
variety trials 482
Alopecurus pratensis
Taraxacum officinale, Poland 298
weed control
population dynamics 298
yields 298
Alphitonia petriei
Australia 4361
weeds
growth rate 4361
plant competition 4361
seed germination 4361
survival 4361
Alpine fir (*see Abies lasiocarpa)*
Alternanthera
biology
nomenclature 1369
taxonomy 1369
Alternanthera paronychioides
biology, identification 3516
ecology
distribution 3516
origin 3516
Alternanthera philoxeroides
biology, identification 1714
control
biological control 1197
chemical control 4758
ecology, invasion 1714
herbicides
degradation 3440
metabolism 3440
residues 3440
resistance 3440
respiration 3440
rhizomes 3440
root exudates 3440
roots 3440
Alternanthera pungens
biology
ammonia 3088
enzymes 3088
photorespiration 3088
Alternanthera sessilis
biology
ammonia 3088
enzymes 3088
photorespiration 3088
Aluminium sulfate 5176
Alysicarpus
biology
morphology 1422
pollen 1422
Amadeus 46,25 4673
Amaranthaceae
biology
reproduction 1796
taxonomy 1796
Capsicum, occurrence 1796
Amaranthus
biology
composition 2543
life cycle 3031
nomenclature 1369, 2543
reproduction 3031
taxonomy 1369, 2543
Borago officinalis
hosts of plant diseases 93
Spain 93
Amaranthus *cont.*
Brassica
hosts of plant diseases 93
Spain 93
Capsicum
hosts of plant diseases 93
Spain 93
chickpeas
hosts of plant diseases 93
Spain 93
control
biological control 3544
chemical control 1625, 2058, 2875, 3382, 3794, 3827
cultural control 3031, 3794
integrated control 1625
physical control 2058, 3031, 3794
cucumbers
hosts of plant diseases 93
Spain 93
ecology
climate 2543
distribution 2543
population density 3031
faba beans
hosts of plant diseases 93
Spain 93
herbicides
economics 4604
resistance 663, 2500
yields 4604
hosts, viruses 93
India 4604
lucerne
hosts of plant diseases 93
Spain 93
maize
chemical control 1603
emergence 1603
hosts of plant diseases 93
Spain 93
Ukraine 1603
marrows
hosts of plant diseases 93
Spain 93
melons
hosts of plant diseases 93
Spain 93
Phaseolus vulgaris
hosts of plant diseases 93
Spain 93
seeds
seed banks 3031
seed longevity 3031
seed production 3031
soyabeans
Greece 1625
yields 1625
toxicity, livestock 2543
weed control
economics 4604
yields 4604
wheat
growth stages 1781
plant succession 1781
population dynamics 1781
Amaranthus albus
biology
anatomy 1940
chlorophyll 1940
chloroplasts 1940
cotyledons 4775
electron transfer 1937
fatty acids 1940
growth rate 1937
identification 4775
light 1937
lipids 1940
morphology 4775
photosynthesis 1937
photosystem I 1937
photosystem II 1937
thylakoids 1940
control 2824
chemical control 1630, 3795
ecology, biotypes 1937, 1940
herbicides, resistance 1937, 1940
Amaranthus blitoides
barley
allelopathy 2220
growth rate 2220

Amaranthus blitoides *cont.*
barley *cont.*
Jordan 2220
seed germination 2220
yields 2220
biology
anatomy 1940
chlorophyll 1940
chloroplasts 1940
cotyledons 4775
electron transfer 1937
emergence 858
fatty acids 1940
growth rate 1937
identification 4775
light 1937
lipids 1940
morphology 4775
photosynthesis 1937
photosystem I 1937
photosystem II 1937
thylakoids 1940
Capsicum annuum, nutrient uptake 2195
ecology
biotypes 1937, 1940
nutrient content 2195
population dynamics 858
herbicides, resistance 1937, 1940
maize, nutrient uptake 2195
tomatoes, nutrient uptake 2195
wheat
allelopathy 3941
growth rate 3941
Jordan 3941
plant height 3941
roots 3941
seed germination 3941
shoots 3941
yields 3941
Amaranthus blitum
Brassica campestris, hosts of plant diseases 4433
hosts, fungi 4433
lentils, hosts of plant diseases 4433
okras, hosts of plant diseases 4433
Ricinus communis, hosts of plant diseases 4433
Vigna mungo, hosts of plant diseases 4433
Amaranthus caudatus
biology
composition 3534
cotyledons 4775
exudates 4542
identification 4775
morphology 4775
plant growth regulators 4542
triterpenoid saponins 3534
seeds
composition 3534, 4542
seed weight 4542
Amaranthus cruentus
biology
branching 3046
development 3046
dry matter distribution 468
flowering 3046
fruiting 3046
growth rate 468, 3046
leaf area 3046
morphology 3046
photosynthesis 468
plant height 3046
reproduction 468, 3046
shoots 3046
ecology
carbon dioxide enrichment 3046
light 468
nitrogen 3046
nutrient availability 3046
plant competition 468
plant succession 3046
Amaranthus gracilis
barley
allelopathy 2220
growth rate 2220
Jordan 2220
seed germination 2220
yields 2220
wheat
allelopathy 3941
Amaranthus gracilis *cont.*
wheat *cont.*
growth rate 3941
Jordan 3941
plant height 3941
roots 3941
seed germination 3941
shoots 3941
yields 3941
Amaranthus hybridus
biology
anatomy 1940
chlorophyll 1940
chloroplasts 1940
composition 3222
cotyledons 4775
electron transfer 1937
emergence 858
enzymes 3222
fatty acids 1940
growth rate 1937, 3076
identification 4775
isomerases 3222
light 1937
lipids 1940
metabolic inhibitors 3222
morphology 4775
photosynthesis 1937
photosystem I 1937
photosystem II 1937
plant height 2660
thylakoids 1940
broccoli, USA 3334
cabbages, USA 3334
cauliflowers, USA 3334
Chinese cabbages, USA 3334
control
chemical control 2435, 3076, 3334, 3389, 4200, 5109
cultural control 2435
integrated control 3389
physical control 2435, 3389
ecology
biotypes 1937, 1940, 3076
plant competition 2660
population dynamics 858
Eragrostis tef
fertilizers 483
growth rate 483
plant competition 483
yields 483
herbicides
application rates 3076
bioassays 4101
chlorophyll 2252
cross resistance 3076
growth rate 4101
photosynthesis 2252
resistance 1937, 1940, 2252, 3076
susceptibility 4101
hosts, fungi 544
maize
flowering 2225
fruiting 2225
life cycle 2225
population dynamics 2225
South Africa 3076
surveys 2252
peaches
growth rate 2660
nutrient content 2660
plant competition 2660
population density 2660
USA 2660
Phaseolus vulgaris
plant competition 943
population density 943
USA 943
yields 943
seeds, seed banks 2435
sorghum, population dynamics 2435
wheat
fertilizers 483
growth rate 3941
plant competition 483
yields 483
Amaranthus lividus
biology
cotyledons 4775
exudates 4542
identification 3943, 4775
Amaranthus lividus *cont.*
biology *cont.*
morphology 4775
plant growth regulators 4542
ecology, biotypes 4815
herbicides, resistance 4815
seeds
composition 4542
seed banks 3943
seed weight 4542
vegetables
emergence 3943
seasonal variation 3943
seed banks 3943
Amaranthus palmeri
control
chemical control 325, 333, 3795
cultural control 333
integrated control 333
physical control 333
cotton
herbicide resistance 4408
USA 333
ecology, biotypes 3523, 4408
fallow, USA 333
groundnuts, USA 325
herbicides
application rates 3523
resistance 3523, 4408
soyabeans
growth rate 2204
plant competition 2204
plant height 2204
population density 2204
USA 2204
yields 2204
USA 3523
wheat, USA 333
Amaranthus powellii
Austria 20
biology, chromosome number 20
control, chemical control 2061
sunflowers, Croatia 2061
Amaranthus quitensis
control
chemical control 2037-2038
physical control 2037-2038
herbicides, population dynamics 2037
seeds
buried seeds 3462
light 3462
plant growth regulators 3462
seed banks 2037
seed dormancy 3462
seed germination 3462
seed longevity 3462
seed production 2037
soil depth 3462
storage 3462
temperature 3462
viability 3462
soyabeans
Argentina 2037-2038
emergence 2037-2038
plant competition 2037
population dynamics 2037-2038
seed banks 2038
seed production 2038
survival 2038
Amaranthus retroflexus
apples, Yugoslavia 4662
aubergines
allelopathy 4385
nutrient availability 4385
seed germination 4385
Austria 20
barley
allelopathy 2220
growth rate 2220
Jordan 2220
seed germination 2220
yields 2220
biology
anatomy 1940
carbon pathways 1766
chlorophyll 1940
chloroplasts 1940
chromosome number 20
cotyledons 4775
digestibility 1179
electron transfer 1937

Amaranthus retroflexus *cont.*
biology *cont.*
emergence 858
energy content 1179
fatty acids 1940
flowering 1766
growth rate 926, 1766, 1937
identification 4775
leaf area 926
light 60, 1937
lipids 1940
morphology 4775
mortality 1766
photosynthesis 60, 1766, 1937
photosystem I 1937
photosystem II 1937
proteins 1179
temperature 60, 1766
thylakoids 1940
transpiration 60
cabbages
allelopathy 4385
hosts of plant pests 96
nutrient availability 4385
seed germination 4385
Capsicum, plant competition 3718
Capsicum annuum
allelopathy 4385
nutrient availability 4385
nutrient uptake 2195
seed germination 4385
carrots
allelopathy 4385
nutrient availability 4385
seed germination 4385
cauliflowers
allelopathy 4385
nutrient availability 4385
seed germination 4385
chickpeas
plant competition 1393
salinity 1393
control 2824
chemical control 277, 312, 424, 502, 903, 1029, 1079, 1216, 1570, 1590, 1630, 2006, 2013, 2069, 2076, 2509, 2793, 2826, 3718, 3792, 3795, 3811, 4182, 4225, 4455, 4549, 4662, 5071, 5078, 5098
cultural control 277, 502, 1624, 4364, 4659, 5082
integrated control 2076, 3718, 4659
physical control 277, 502, 903, 1624, 1740, 2006, 2076, 2583, 3718, 4659, 5082
cucumbers
allelopathy 4385
hosts of plant pests 96
nutrient availability 4385
seed germination 4385
ecology
biotypes 1937, 1940
carbon dioxide enrichment 925-926, 1766
establishment 2669
genotype environment interaction 3052
habitats 2669
nutrient content 2195
nutrient uptake 1766
plant competition 925, 1766, 4364
population density 2208
population dynamics 858, 1766
temperature 926, 1766
Elymus repens
allelopathy 4378
growth rate 4378
roots 4378
fallow
plant succession 502
population dynamics 502
garlic, hosts of plant pests 96
herbicides
adjuvants 225
application rates 424
binding sites 1147
chlorophyll 225, 2252, 2793
degradation 1120, 4092, 4549
enzymes 1147, 4549
growth rate 424

Amaranthus retroflexus *cont.*
herbicides *cont.*
leaves 225
mode of action 4549
morphology 424
photosynthesis 2252
pigments 2793
rain 1570
resistance 1598, 1937, 1940, 2252
surfactants 1570
translocation 424, 1120, 4092, 5071
uptake 225, 424, 1120, 4092, 5071
hosts, insects 96
lucerne
allelopathy 3058, 4539
emergence 3058
growth rate 3058, 4539
saponins 4539
seed germination 3058
survival 3058
maize
Canada 2208, 3052
chemical control 903
Croatia 2826
emergence 2208
growth rate 2208
Italy 1590
light 3052
nutrient uptake 2195
plant competition 1776, 2013, 2208, 3052, 3718
population density 2208, 3052
reproduction 3052
surveys 2252
USA 903, 1079, 2013
vegetative propagation 3052
yields 903, 1776, 2013, 2208
marrows
allelopathy 4385
nutrient availability 4385
seed germination 4385
onions
hosts of plant pests 96
plant competition 3718
peas, Italy 1590
Phaseolus vulgaris
hosts of plant pests 96
USA 5071
potatoes
emergence 3929
Italy 1590
nutrient uptake 936
plant competition 936, 3929
USA 3929
yields 936
rye
Canada 1624
plant succession 502
population dynamics 502
seeds
buried seeds 903, 1740
light 1740
plant growth regulators 444
seed banks 5, 502, 903
seed dispersal 5
seed dormancy 903
seed germination 444, 897, 1740, 1766
seed predation 4364
seed production 2208, 3052
seed weight 3052
soil water 903
stimulants 444
stratification 444
temperature 897, 903, 1766
sorghum
plant succession 502
population dynamics 502
soyabeans
Canada 1624
chemical control 903
ferulic acid 4374
plant competition 1776, 3718, 4374
population density 4374
USA 903
yields 903, 1776
strawberries, allelopathy 4225
sugarbeet
allelopathy 1401
chemical control 2069
composition 1401

Amaranthus retroflexus *cont.*
sugarbeet *cont.*
control 2069
growth rate 1401
sugars 1401
sunflowers
Italy 1590
plant competition 3718
tobacco, Italy 1590
tomatoes
allelopathy 4385
Italy 1590
nutrient availability 4385
nutrient uptake 2195
seed germination 4385
USA 4659
triticale, Canada 1624
USA 60, 1570
utilization, fodder crops 1179
weed control, seed germination 1740
wheat
allelopathy 3941
Canada 1624
growth rate 3941
Jordan 3941
plant height 3941
roots 3941
seed germination 3941
shoots 3941
yields 3941
Amaranthus rudis
control, chemical control 3795
ecology, biotypes 3523
herbicides
application rates 3523
resistance 3523
USA 3523
Amaranthus spinosus
Allium fistulosum
allelopathy 3059
growth rate 3059
plant height 3059
seed germination 3059
Allium fistulosum × onions
allelopathy 3059
growth rate 3059
plant height 3059
seed germination 3059
celery
allelopathy 1787
growth rate 1787
control, chemical control 324
ecology, plant competition 2209
groundnuts, USA 324
lettuces
fertilizers 2207, 2209
phosphorus 2207, 2209
plant competition 2207, 2209
population density 2207, 2209
USA 2207
yields 2207, 2209
onions
allelopathy 3059
growth rate 3059
plant height 3059
seed germination 3059
Amaranthus tricolor
biology
cotyledons 4775
identification 4775
morphology 4775
Amaranthus viridis
biology
exudates 4542
plant growth regulators 4542
control
chemical control 2791, 3322, 4232, 4244, 4631, 5040
integrated control 4631
physical control 3322, 4232, 4631, 5040
ecology
nutrient uptake 4797
plant competition 4797
temperature 4797
herbicides
composition 2791
nutrient uptake 4244, 5040
pigments 2791
Pennisetum glaucum
control 4797

Amaranthus viridis *cont.*
Pennisetum glaucum cont.
nutrient uptake 4797
plant competition 4797
rice
plant competition 4631
yields 4631
seeds
composition 4542
seed weight 4542
weed control, nutrient uptake 5040
Ambrosia
biology
chloroplasts 3035
DNA 3035
evolution 3035
morphology 3035
taxonomy 3035
hosts, insects 100
Russia 100
Ambrosia artemisiifolia
biology
antigens 5146
composition 5146
enzyme inhibitors 540
flowers 1396
genetic variation 2170
light 1396
molecular genetics 1674, 5146
nucleotide sequences 540
phytochrome 1396
plant height 1396
pollen 540, 1396, 1674, 2918, 5146
proteins 5146
reproduction 2668
sex ratio 1346, 1396
vegetative propagation 2668
Canada 1396
control
chemical control 287, 502, 860, 2061, 2435, 2469, 2880, 3267, 3389, 4651
cultural control 502, 2435
integrated control 287, 4651
physical control 287, 502, 2435, 2469, 4651
ecology
light 1396
plant competition 1396
fallow
plant succession 502
population dynamics 502
fodder crops, seed contamination 1751
herbicides
binding sites 1147
enzymes 1147
nutrient uptake 4651
resistance 1598
hosts, fungi 544
maize, USA 3267
potatoes
nutrient uptake 936
plant competition 936
yields 936
rye
plant succession 502
population dynamics 502
seeds
seed banks 502, 2170, 2435
seed germination 1751, 2170
sorghum
plant succession 502
population dynamics 502, 2435
soyabeans, USA 2469
sunflowers, Croatia 2061
toxicity
allergens 1674, 2918, 5146
man 5146
urban areas
disturbed land 2668
introduction 2668
invasion 2668
plant communities 2668
plant competition 2668
spread 2668
USA 1346, 2170
utilization
antibacterial plants 3248
antifungal plants 3248
Ambrosia tenuifolia
biology, phytochrome 4327
Ambrosia tenuifolia *cont.*
ecology
emergence 4327
flooding 4327
light 4327
population density 4327
temperature 4327
grasslands, Argentina 4327
seeds
light 4327
seed dormancy 4327
seed germination 4327
storage 4327
temperature 4327
Ambrosia trifida
biology
anatomy 3080
carbon dioxide 3933
flowers 3080
growth rate 3933
leaves 3933
morphology 2655, 3080
photosynthesis 3933
pollen 3080
water relations 3933
ecology, plant competition 3933
soyabeans
economic thresholds 2655
growth rate 2655
morphology 2655
plant competition 2655
population density 2655
shading 2655
USA 2655
yields 2655
sunflowers
carbon dioxide 3933
growth rate 3933
leaves 3933
photosynthesis 3933
plant competition 3933
water relations 3933
USA 3080
Amenity and recreation areas
Asteraceae, surveys 1407
Caryophyllaceae, plant communities 2661
Cyperus, surveys 1407
Epilobium, surveys 1407
Fabaceae, plant communities 2661
Galium, surveys 1407
Poa, surveys 1407
Poaceae, surveys 1407
Polygonum, surveys 1407
Potentilla, surveys 1407
Ranunculus, surveys 1407
Veronica, surveys 1407
weeds
chemical control 802
control 3844
habitats 2611
species diversity 2611
Ametryn
adjuvants, sugarcane 788
analytical methods
ELISA 1875
fluorescence 1034
HPLC 4014
thin layer chromatography 1034
application date, sugarcane 788
application rates
Phaseolus vulgaris 2039
sugarcane 788
chemistry
degradation 3549
oxidation 3549
chlorophyll
algae 4534
cyanobacteria 4534
control
Cyperus rotundus 1723
Rottboellia cochinchinensis, sugarcane 788
Sicyos, sugarcane 2507
weeds
groundnuts 3354
sugarcane 1230
cross resistance, *Abutilon theophrasti* 1810
damage
groundnuts 3354
Phaseolus vulgaris 2039
Ametryn *cont.*
economics, sugarcane 1230
growth rate
algae 4534
cyanobacteria 4534
Cyperus rotundus 1723
Phaseolus vulgaris 2039
interactions, herbicides 4014
leaves, sugarcane 4110
nontarget effects
algae 4050
bacteria 4050
Crustacea 4050
photosynthesis, sugarcane 4110
plant pests
cotton 1234
Ricinus communis 1234
residual effects, *Phaseolus vulgaris* 2039
residues
groundwater 3549
river water 4534
soil 2039, 4914
water 1875, 4050
resistance
Abutilon theophrasti 1810
Lolium rigidum 983
soil
degradation 4914
organic matter 2039
persistence 4914
pH 2039
soil types 4914
soil water 4914
temperature 4914
species diversity
algae 4534
cyanobacteria 4534
tolerance, sugarcane 788
toxicity
algae 4050, 4534
bacteria 4050
Crustacea 4050
cyanobacteria 4534
tubers, *Cyperus rotundus* 1723
variety trials, sugarcane 4110
water
degradation 3549
oxidation 3549
yields
groundnuts 3354
sugarcane 788, 1230
Amide herbicides
chemistry, structure activity relationships 4001
control, *Orobanche cernua,* sunflowers 1643
damage, sunflowers 1643
residues
soil 1093
soil water 1093
soil
persistence 1093
runoff 1093
yields, sunflowers 1643
Amidochlor 5054
Amidosulfuron
application date
Avena fatua 3741
cereals 4611
Elymus repens 3741
Galium aparine 4611
kale 3741
Lolium perenne 3741
Phaseolus vulgaris 3741
Polygonum amphibium 3741
application methods
Avena fatua 3741
Elymus repens 3741
kale 3741
Lolium perenne 3741
Phaseolus vulgaris 3741
Polygonum amphibium 3741
application rates
barley 3741
Chenopodium album 3741
faba beans 3741
lettuces 3741
linseed 3741
Lolium perenne 3741
oats 3741
Solanum nigrum 3741

Amidosulfuron *cont.*
application rates *cont.*
sugarbeet 3741
Veronica persica 3741
Viola arvensis 3741
wheat 3741
control
Anthemis
barley 4609
rye 4609
triticale 4609
wheat 4609
Avena fatua 3700
barley 4609
rye 4609
triticale 4609
wheat 4609
Capsella bursa-pastoris
barley 4609
rye 4609
triticale 4609
wheat 4609
Chenopodium album 3741
barley 4609
rye 4609
triticale 4609
wheat 4609
Galium aparine
barley 4609
cereals 2414, 4611
rye 4609
triticale 4609
wheat 4609
Lamium
barley 4609
rye 4609
triticale 4609
wheat 4609
Polygonum
barley 4609
rye 4609
triticale 4609
wheat 4609
Solanum nigrum 3741
Stellaria media
barley 2257, 4609
rye 4609
triticale 4609
wheat 2257, 4609
Veronica persica 3741
Viola arvensis 3741
barley 4609
rye 4609
triticale 4609
wheat 4609
weeds 3741
damage
barley 2414
cereals 2414
wheat 2414
growth rate, *Lolium perenne* 3741
interactions, herbicides 4609
resistance
Avena fatua 3741
Elymus repens 3741
Lolium perenne 3741
Polygonum amphibium 3741
selectivity
Avena fatua 3741
barley 3741
Elymus repens 3741
faba beans 3741
kale 3741
lettuces 3741
linseed 3741
Lolium perenne 3741
oats 3741
Phaseolus vulgaris 3741
Polygonum amphibium 3741
sugarbeet 3741
wheat 3741
temperature
cereals 4611
Galium aparine 4611
tolerance
barley 3741
faba beans 3741
kale 3741
lettuces 3741
linseed 3741
oats 3741

Amidosulfuron *cont.*
tolerance *cont.*
Phaseolus vulgaris 3741
sugarbeet 3741
wheat 3741
Amiprofos-methyl
binding sites, tobacco 1529
cell growth, tobacco 1529
cross resistance 2684
cytology, oats 217
microtubules
oats 217
tobacco 1529
mitosis, oats 217
mode of action
oats 217
tobacco 1529
polymerization, tobacco 1529
resistance 2684
toxicity, mice 1529
tubulin, tobacco 1529
Amitrole
amino acids, maize 3207
analytical methods
HPLC 4012, 4870
ion exchange chromatography 3569
liquid chromatography 3569
application rates, apples 201
cell suspensions, apples 201
chloroplasts
sorghum 218
soyabeans 218
Vigna radiata 218
control
Poa annua, lawns and turf 2521
Solanum elaeagnifolium 388
weeds
grapes 3814
Lotus corniculatus 4203
degradation, apples 201
enzymes
sorghum 218
soyabeans 218
Vigna radiata 218
establishment, *Lotus corniculatus* 4203
legislation, UK 2521
meristems, maize 3207
mode of action, maize 3207
nitrate reductase
sorghum 218
soyabeans 218
Vigna radiata 218
nontarget effects, Acari 3814
pigments
sorghum 218
soyabeans 218
Vigna radiata 218
plant pests, grapes 3814
registration, UK 2521
residues
apples 201
water 3569, 4012
toxicity, Acari 3814
yield components, *Lotus corniculatus* 4203
Ammannia
rice
population dynamics 3066
surveys 3066
Ammannia baccifera
control
chemical control 4629
physical control 4629
hosts, insects 3861
rice, hosts of plant pests 3861
Ammannia multiflora
control, chemical control 4334
herbicides
seed banks 4334
seed production 4334
seeds
seed banks 4334
seed production 4334
Ammi majus
control
chemical control 1394, 2069
physical control 1394
hosts
pathogens 2081
viruses 2081

Ammi majus *cont.*
sugarbeet
chemical control 2069
control 2069
sunflowers
economic thresholds 1394
Italy 1394
plant competition 1394
population density 1394
tobacco
economics 2081
light 2081
mineral nutrition 2081
plant competition 2081
water relations 2081
Amyema miquelii
biology, water relations 4727
control, physical control 2547
ecology
birds 4727
distribution 4727
disturbed land 4727
grazing 4727
population density 4727
Eucalyptus blakelyi
Australia 2547
growth rate 2547
host parasite relationships 2547
Eucalyptus melliodora
Australia 2547
growth rate 2547
host parasite relationships 2547
Eucalyptus salmonophloia, host parasite relationships 4727
seeds, seed dispersal 4727
Amyema preissii
Acacia nyssophylla
flowering 1275
fruits 1275
growth rate 1275
host parasite relationships 1275
leaves 1275
seed germination 1275
survival 1275
Anabasis articulata
beaches, Israel 3949
biology, water relations 3949
ecology
distribution 3949
flooding 3949
habitats 3949
invasion 3949
salinity 3949
Anacharis (*see Elodea*)
Anacharis canadensis (*see Elodea canadensis*)
Anagallis arvensis
biology
composition 65
oleananes 65
triterpenoids 65
control
chemical control 735, 764, 1211, 4165-4166, 4233, 4650, 4702
cultural control 1211
physical control 764, 1211, 4165-4166, 4233, 4650
herbicides, nutrient uptake 4650
Anagallis arvensis* subsp. *foemina
barley, surveys 3954
chickpeas, surveys 3954
ecology
soil types 3954
surveys 3954
faba beans, surveys 3954
lentils, surveys 3954
maize, surveys 3954
sugarbeet, surveys 3511
wheat, surveys 3954
Anagallis foemina (*see Anagallis arvensis* subsp. *foemina*)
Ananas comosus (*see* Pineapples)
Anchusa arvensis, control, chemical control 315
Anchusa azurea
barley, surveys 3954
chickpeas, surveys 3954
ecology
soil types 3954
surveys 3954
faba beans, surveys 3954

Anchusa azurea *cont.*
lentils, surveys 3954
maize, surveys 3954
wheat, surveys 3954
Anchusa italica
control
chemical control 2196
cultural control 2196
integrated control 2196
maize, nutrient uptake 2196
Phaseolus vulgaris, nutrient uptake 2196
Andropogon gayanus
Cuba 491
weeds, fertilizers 491
Andropogon gerardii
herbicides
establishment 5055
population density 5055
yields 5055
USA 5055
Andropogon scoparius *(see Schizachyrium scoparium)*
Andropogon virginicus
biology, growth rate 45
control, chemical control 4707
ecology
light 45
nutrient availability 45
plant competition 45
population density 45
water relations 45
herbicides
aerial application 4707
application methods 4707
Pinus taeda
drought 939
plant competition 939
population density 939
soil water 939
stomatal resistance 939
USA 939
water relations 939
USA 45
Aneilema keisak
herbicides
composition 2791
pigments 2791
Anemone
biology
fatty acids 516
linolenic acid 516
oils 516
seeds, composition 516
Anethum graveolens
France 5126
herbicides
quality 1663
yields 1663
Poland 1663
weed control, application date 5126
weeds, chemical control 1663
Angelica decursiva, biology, antioxidants 3248
Angelica gigas, weeds, chemical control 2897
Anilide, 2-(β-naphthyloxy)propion- 1100
Anilide, 2′,3′-dichloro-4-(ethoxymethoxy) benz- 1025
Anilide, *N*-acetamidomethyl-2-chloro-2′,6′-diethylacet- 5054
Anilide, 2-(2-naphthyloxy)propion- 1514, 3702
Anilofos
application date, rice 5053
application rates, rice 5048, 5053
chemistry, new products 3299
control
Ammania baccifera, rice 4629
aquatic weeds, rice 2028
Cynodon dactylon, rice 4629
Cyperus difformis
rice 3292, 4191, 4629, 5048
Vigna radiata 3292
Cyperus iria, rice 4191, 5048
Cyperus rotundus, rice 4629
Digitaria sanguinalis, rice 4629
Echinochloa colonum, rice 4191, 4629, 5048
Echinochloa crus-galli
rice 2028, 3292, 4191, 4629, 5048
Vigna radiata 3292
Anilofos *cont.*
control *cont.*
Echinochloa glabrescens
rice 3292
Vigna radiata 3292
Eclipta
rice 3292
Vigna radiata 3292
Eclipta prostrata, rice 4629
Euphorbia prostrata
rice 3292
Vigna radiata 3292
Fimbristylis miliacea, rice 4629
Leptochloa chinensis, rice 4191, 5048
Lippia nodiflora, rice 4629
Ludwigia adscendens, rice 4191, 5048
Ludwigia parviflora, rice 4629
Marsilea quadrifolia, rice 4191, 5048
Monochoria vaginalis
rice 3292, 5048
Vigna radiata 3292
Panicum repens, rice 4191
Paspalum distichum
rice 3292
Vigna radiata 3292
Phyllanthus niruri, rice 4629
weeds
groundnuts 2881
rice 2025, 2028, 2441, 2841, 3294, 3296, 3299, 3787, 4191, 4629, 5041, 5048, 5053
damage, rice 4191
economics, rice 5048
nutrient uptake
Cyperus difformis 4191
Cyperus iria 4191
Echinochloa colonum 4191
Echinochloa crus-galli 4191
Leptochloa chinensis 4191
Ludwigia adscendens 4191
Marsilea quadrifolia 4191
Panicum repens 4191
rice 3292, 5053
Vigna radiata 3292
residues, soil 4938
soil
Actinomycetales 4938
bacteria 4938
fungi 4938
soil flora 4938
toxicity, goats 3157
yield components, rice 4191, 4629
yields
rice 2025, 2028, 2441, 2841, 3292, 3294, 3296, 3787, 4191, 4629, 5041, 5048, 5053
Vigna radiata 3292
Annual reports (*see* Reports)
Anoda cristata
control, chemical control 2880
herbicides
degradation 649
resistance 649
selectivity 649
translocation 649
uptake 649
Antarctica, flora 3025
Anthemis arvensis
control
chemical control 725, 2221, 4680
physical control 2221
potatoes, surveys 2221
Anthemis cotula
biology, growth rate 1746
control
chemical control 4197
physical control 1740
peas
growth rate 2210
leaf area 2210
nitrogen 2210
plant competition 2210
plant height 2210
soil water 2210
yields 2210
seeds
buried seeds 1740
light 1740
pH 1746
Anthemis cotula *cont.*
seeds *cont.*
seed germination 1740, 1746
temperature 1746
water 1746
weed control, seed germination 1740
Anthoxanthum odoratum
Hieracium pilosella
growth rate 37
plant competition 37
Hieracium praealtum
growth rate 37
plant competition 37
Anthriscus sylvestris
biology
carbon pathways 508
development 2176
flowers 2176
growth rate 508
photosynthesis 508
pollen 2176
roots 508
sex ratio 2176
transpiration 508
water relations 508
control, physical control 2584
ecology
fertilizers 2584
population dynamics 2584
Sweden 2584
Antiauxins 4558
Antibacterial plants, as weeds 386, 648, 836
Antifungal plants, as weeds 467, 546
Antigonon, biology, identification 3482
Antirrhinum majus
barley, surveys 3954
chickpeas, surveys 3954
ecology
soil types 3954
surveys 3954
faba beans, surveys 3954
lentils, surveys 3954
maize, surveys 3954
wheat, surveys 3954
Antiviral plants, as weeds 52, 225, 467-469, 480, 496, 556
Apera interrupta
ecology
colonizing ability 2244
dispersal 2244
distribution 2244
introduction 2244
invasion 2244
plant competition 2244
Apera spica-venti
barley, Germany 3262
biology 3260
morphology 3260
transpiration 469
water relations 469
cereals
Germany 262, 5019
plant competition 262
population dynamics 5019
control
chemical control 262, 725, 1565, 3260, 4680
cultural control 262, 4617, 5019
integrated control 262
physical control 262, 5019
ecology, drought 469
herbicides, bioassays 4514
seeds, seed production 4617
triticale, Germany 3262
weed control
emergence 4617
flowering 4617
population density 4617
seasonal variation 4617
seed production 4617
wheat
Germany 262, 3262
growth rate 482
light 482
morphology 482
plant competition 262, 482, 4617
plant height 482
variety trials 482
yields 3260

Apiaceae
sugarbeet, surveys 3511
weeds, chemical control 4153
Apium graveolens (*see* Celery)
Apium graveolens* var. *rapaceum (*see* Celeriac)
Apocynum cannabinum
biology, stems 3960
control
cultural control 285
integrated control 285
physical control 285
maize
population density 285
USA 285
soyabeans
population density 285
USA 285
USA 3960
Apples (*Malus pumila*)
Amaranthus retroflexus, Yugoslavia 4662
Canada 4088
Czech Republic 3341
Denmark 3342
France 5086
Germany 4992
herbicides
application date 4662
application methods 3341
application rates 201, 1220, 2055
cell suspensions 201
composition 3813
coverage 680
damage 1220, 1931, 2055, 3341, 4662
degradation 201
deposition 680
flowering 2055
fruits 3341
growth rate 1220, 1931, 2055, 2495, 3341, 5085
leaves 3813
mycorrhizas 1931
nozzles 680
nutrient availability 5085
organic matter 4992
quality 3813
residual effects 2055
residues 201, 2728
soil temperature 4992
soil water 4992
surfactants 1569
tolerance 1220, 2055
vegetative propagation 3813
yields 2055, 3341, 3343, 3813, 5085
India 4661
Netherlands 3340
New Zealand 4222
Romania 3343
Setaria pumila, Yugoslavia 4662
Sorghum halepense, USA 2495
Stellaria media, Yugoslavia 4662
Switzerland 3542, 3813
UK 318
USA 1220, 5085
Viscum album
branches 2548
buds 2548
development 2548
Germany 2548
growth rate 2548
host parasite relationships 2119, 2548
leaves 2548
xylem 2119
weed control
composition 3813
development 5086
growth rate 4222, 4661, 5085
leaves 3813
nutrient availability 5085
nutrient content 4222
organic matter 4992
quality 3813
soil temperature 4992
soil water 4992
vegetative propagation 3813
yields 3340, 3813, 4222, 4661, 5085-5086
weeds
chemical control 1917, 3813
integrated control 2869
Apples *cont.*
Yugoslavia 4530
Apricots (*Prunus armeniace* and *P. mume*)
France 5086
Jordan 5087
USA 4663
weed control
branches 5087
development 5086
erosion 236
stems 5087
yields 4663, 5086
Aquatic weeds
biology
biomass 2573, 5165
canopy 3438
composition 1309
dry matter distribution 3438
energy content 2573
flowering 3860
growth rate 3438, 5172
leaf area 3438
life form 412
light 3438
lipids 1309
plant height 3438
reproduction 412
canals
Egypt 2151
water flow resistance 2151
channels, water flow resistance 3007
control 2578, 4319, 5182
biological control 2151, 3290, 3879
chemical control 2028, 4192, 4308
physical control 2028
ditch banks, species diversity 1313
ditches, species diversity 1313
drainage channels, species diversity 1313
ecology
allelopathy 2561
altitude 402
distribution 2573, 3011, 3442
disturbed land 2142
flooding 1289
habit 3860
habitats 402, 1289, 1300, 2142, 3860, 5173
herbivores 844
nutrient availability 402
otters 844
population dynamics 1306-1307, 5167
salinity 5167
seasonal variation 3007
spatial distribution 5165
species diversity 1289, 2142, 5167
sulfides 5167
surveys 402, 1307, 1699
water pollution 3008
water quality 1300
weed associations 1300
fens
Netherlands 3438
plant communities 3438
herbicides
adjuvants 423
uptake 423
Hungary 844
India 5165
lakes
control 2142
distribution 5172
Egypt 5172
habitats 5172
New Zealand 4308
nutrient availability 5172
plant communities 5172
Poland 1307
population dynamics 2142
species diversity 5172
surveys 1306
USA 423, 1306
meadows
biomass 401
control 401
water flow 401
rice
allelopathy 2018
distribution 2022
Italy 4192
water relations 2022
Aquatic weeds *cont.*
rivers
climate 4289
colonizing ability 4289
distribution 1289, 5172
drought 4289
Egypt 5172
flooding 4289
France 4289
habitats 1289, 5172
nutrient availability 5172
plant communities 5172
population density 4289
spatial distribution 4289
species diversity 4289, 5172
temperature 4289
water relations 4289
Salix
biomass 401
control 401
water flow 401
seeds, seed size 412
utilization
feeds 3006
green manures 3008
indicator plants 5173
waste water treatment 5169
water reservoirs
Czech Republic 412
distribution 5172
Egypt 5172
establishment 412
habitats 5172
introduction 412
invasion 412
nutrient availability 5172
plant communities 2568, 5172
species diversity 5172
temperature 2568
wetlands, control 3543
Arabidopsis
biology
cell division 907
cloning 1499
development 907
enzymes 1430
gene expression 907
genetics 907
light 1430
lyases 1430
morphology 907
mutants 907, 1430
plant growth regulators 1499
pyrimidines 1430
herbicides
bioassays 4888
growth rate 4888
seeds, embryos 907
Arabidopsis thaliana
biology
aluminium 3490
amino acids 3096
aminopeptidases 522
anatomy 3101, 4337, 4819
anthocyanins 3101
ATP 4423
biosynthesis 2264, 3099-3100, 4825
calcium 4423
callose 2263, 3922
cambium 4819
carbohydrates 645, 3897
carbonate dehydratase 86
carotenoids 87, 4827
cell culture 1002, 4825
cell division 82, 90, 2177
cell growth 450, 2177
cell membranes 1426, 3096
cell suspensions 1002
cell walls 3968
cellular biology 82
cellulose 2263
chitinase 3922
chlorophyll 520, 1427, 1837, 2265, 2271, 3083-3084, 3099, 3970, 4827
chlorophyll a/b binding protein 80, 530
chloroplasts 530, 1837, 2264, 3099, 4822
circadian rhythm 1429
cloning 78, 535, 538

Arabidopsis thaliana *cont.*
biology *cont.*
cold resistance 4836
cold tolerance 188
composition 1836, 1845, 2181, 2699, 2701, 3082-3084, 3094, 3096, 3099
cotyledons 2177
cutin 1427
cytology 512, 1830, 3968
development 11, 81, 450, 527, 534, 885, 1427-1428, 1509, 1830, 2177, 2181, 2251, 2265, 2605, 3101, 3467, 3968, 4337, 4834
diacylglycerols 4827
differentiation 450, 536
DNA 525, 531, 1428
DNA hybridization 77
electrical activity 512
embryology 885
embryos 534
enzymes 72-73, 76, 84, 86, 520-522, 524-525, 534-535, 1428, 1830, 2271, 2699, 3100, 3526, 3897, 3922, 4821
epidermis 3101
epoxide hydrolase 3526
esters 3099
fatty acids 1837, 2701, 3083, 3099, 3526
flavonoids 1845, 3082
flowering 81, 1767, 2181, 2605, 4406
flowers 11, 81, 1509, 2605, 2699, 4819, 4834-4835
fluorescence 77
fructose 3897
fruiting 2251
gene expression 74, 76, 80-81, 83, 85-86, 90, 188-189, 520-521, 524, 526-527, 530, 535, 537, 644, 1110, 2767, 4834, 4836
gene mapping 528
genes 83, 526, 532, 537, 644, 885, 3100
genetic engineering 88
genetic variation 541, 3535, 4406
genetics 1836, 2177, 3083, 3101
genomes 4942
genotypes 1333, 1767, 2251
geotropism 3529
glucose 2264, 3897, 4822
glutamate-ammonia ligase 520
glutathione 4825
glycerol 2264
glycosyltransferases 2699
gravity 4337, 4823
growth 1110, 3529
growth rate 1389, 1424, 1830, 2251, 2264, 2766, 3043, 3084, 3490, 3920, 3970, 4834
growth stages 1002
heat shock proteins 85, 534
heat stability 1837
hypocotyls 3970
immunology 522, 1005
induced mutations 79
ion transport 1001, 1425
iron 2271, 4827
karyotypes 532
kinases 525
lead 3922
leaf primordia 1428
leaves 1428-1429, 1845, 2177, 3084, 3094, 3922, 4823
life cycle 1767, 4406
light 9, 80, 520, 1424, 1845, 2181, 3083-3084, 3970, 4820
lipids 1002, 1837, 2701
magnesium 4827
malic acid 4423
manganese 1836
mannitol 3897
meiosis 532, 924, 4337
membrane permeability 1425, 4423, 4822
membrane potential 1426
membranes 3897
meristems 527, 1428
metabolism 526
mineral nutrition 1836
minisatellites 529

Arabidopsis thaliana *cont.*
biology *cont.*
mitochondria 1002, 1428
mitochondrial genetics 71
molecular genetics 82, 522, 525, 533, 538, 4428, 4430-4431, 4820, 4835
morphology 2265, 2271, 3101, 3467
mucilages 3101
mutants 9, 11, 81, 87, 450, 526, 530, 536, 645, 924, 1002, 1110, 1424, 1836-1837, 2177, 2181, 2263-2264, 2271, 2374, 2605, 2701, 2766-2767, 3082, 3094, 3099, 3101, 3970, 4431, 4762, 4820-4822, 4827, 4834-4835
myo-inositol 3897
nitrates 3922
nuclei 77, 1428, 4337
nucleic acids 520
nucleotide sequences 72-73, 76, 78, 83-84, 86, 524, 529
nutation 3529
nutrient uptake 2271
organelles 1428
ovules 1509, 3467, 4337
oxidoreductases 2271
oxygen 4825
peroxidase 3922
pH 1837, 3490
phenotypes 1767, 4406
phenylalanine ammonia-lyase 521
phloem 2269, 2694
phosphoric monoester hydrolases 1830
phosphorus 1836
photoperiodism 2181, 2605
photosynthesis 1837, 2265, 3083-3084
photosystem I 2265
photosystem II 1837, 2265, 3084, 4827
phototropism 9
physiology 2271
phytochrome 83, 1424, 2181, 3970, 4762, 4820
pigments 9, 1424, 2181, 3084
pith 4819
plant diseases 526, 528, 541, 3922, 4428-4431
plant disorders 3922
plant growth regulators 90, 188-189, 644-645, 1110, 1425, 1509, 2766-2767, 3100, 4538
plasma membranes 1001, 1425
plasmodesmata 512
plastids 1428
pollen 924, 1509, 3968, 4337
pollination 924
polymerase chain reaction 531
polyphenols 3922
potassium 1001, 1425, 4423
proline 3100
proteins 88, 520, 538, 1005, 3084, 3094, 3096, 3922, 4823, 4827, 4834
protoplasts 1425
repetitive DNA 533
reproduction 1767, 2251, 2605, 3043, 4406
respiration 1002, 2264
ribosomes 527
ribulose-bisphosphate carboxylase 530, 1428
root hairs 512, 2271, 3101
roots 450, 1830, 2269, 2694, 3101, 3490, 3529, 4820
senescence 520, 2251
shoots 4820
sieve elements 2694
stamens 4834
starch 2264, 4822
stems 4823, 4835
sterols 3099
stomata 1509
stress response 3082, 3922
sucrose 74, 2264, 3897
temperature 536, 1837, 3083, 3099-3100, 4423
threonine 4821
thylakoids 2264-2265, 4827

Arabidopsis thaliana *cont.*
biology *cont.*
tissue culture 536
transcription 534, 644
translocation 74, 1845, 2264, 2269, 2694, 4822
transport 1426
trichomes 537, 1509, 2263, 3101
ultrastructure 3968
ultraviolet radiation 3082
vacuoles 4423
vascular system 2269
vegetative propagation 2605
water relations 189, 645, 2767
water stress 3100
waxes 2701
xanthophyll 3084
xylem 2263, 4819
zeaxanthin 3084
control, biological control 3923
ecology
aluminium 3490
biotypes 3920, 4431, 4827
carbon dioxide 3920
ecotypes 3043, 3535, 3922, 3968, 4406
genetic variation 4814
genotype environment interaction 2251, 4406, 4814
habit 4942
heavy metals 3922
lead 3922
light 1767, 2265, 4814
metals 3490
nitrates 3922
nitrogen 1377
nutrient availability 1377, 1767, 2271, 3043, 3920, 4814
pH 3490
phenology 1767
plant competition 1389
population density 2251
population dynamics 1377
salinity 3897
soil water 4814
spatial distribution 1389
herbicides
amino acids 3219
binding 2374
binding sites 3084
chlorophyll 3970
enzymes 3219, 4108
growth rate 3219, 3551, 3970
hydro-lyases 3219
isoleucine 3219
light 3970
mode of action 3551
mutants 4108
resistance 2374, 4108
hosts
bacteria 3922, 4430-4431
fungi 526, 528, 541, 4428
pathogens 1326
seeds
composition 645, 3526, 3976
embryos 885, 1427
fatty acids 3976
glycerol 3976
light 1333, 4762
ovules 4834
plant growth regulators 645, 885, 1333
salts 3897
seed dormancy 885
seed germination 885, 1333, 1377, 3043, 3897, 4762
seed morphology 885
seed production 1389, 1767, 3043
seed set 1377, 1767
seed size 3043
seed treatment 3082
seed weight 3043
soil bacteria 3923
temperature 1333
testas 3101
water 2767
UK 1377
Arable land
Orobanche minor, population density 2970

Arable land *cont.*
weeds
flora 1782
population dynamics 1782
species diversity 1782
Arachis glabrata, South Africa 782
Arachis hypogaea (*see* Groundnuts)
Arachis pintoi
Costa Rica 2847
herbicides, selectivity 2847
weeds, chemical control 2847
Arachniodes adiantiformis, Costa Rica 5125
Arceuthobium, forests, yields 5157
Arctica, flora 3025
Arctium lappa
New Zealand 1584
utilization
medicinal plants 4597
vegetables 1584
Arctotheca calendula
ecology, biotypes 1540
herbicides
biotypes 1540
photosystem I 1540
resistance 1540
translocation 1540
uptake 1540
Argemone mexicana
ecology
invasion 977
population dynamics 977
surveys 977
Argemone ochroleuca
biology
identification 5152
taxonomy 5152
control 5152
ecology
distribution 5152
plant competition 5152
toxicity 5152
Argentina
fallow, *Carduus acanthoides* 486
Festuca arundinacea, Carduus acanthoides 486
grasslands, *Ambrosia tenuifolia* 4327
herbicides
asparagus 721
aubergines 721
Brassica 721
Capsicum 721
carrots 721
celery 721
Cucurbita 721
Foeniculum vulgare 721
garlic 721
globe artichokes 721
grapes 721
lettuces 721
lucerne 721
maize 721, 1187
onions 721
peas 721
Phaseolus vulgaris 721
potatoes 721
soyabeans 1187
strawberries 721
sunflowers 1187
tomatoes 721
tree fruits 721
wheat 1187
lucerne, *Carduus acanthoides* 486
rivers, *Eichhornia crassipes* 2141
Solanum glaucophyllum 5154
soyabeans
Amaranthus quitensis 2037-2038
Sorghum halepense 2214
Stellaria cuspidata 23
weed control
horticultural crops 721
integrated control 721
lucerne 303
reports 2586
weeds
Brassica campestris 3041
composition 2696
fatty acids 2696
lucerne 303
Sicyos 2507
Solanum 2696
taxonomy 2696
Argentina *cont.*
wheat 4940
Arisarum vulgare, cereals, surveys 1402
Aristeromycin 1856
Aristida
Striga asiatica
host parasite relationships 3003
resistance 3003
root exudates 3003
seed germination 3003
Striga aspera
host parasite relationships 3003
resistance 3003
root exudates 3003
seed germination 3003
Striga hermonthica
host parasite relationships 3003
resistance 3003
root exudates 3003
seed germination 3003
Aristida stricta
biology
enzymes 3042
evolution 3042
genetic variation 3042
phenotypes 3042
pollination 3042
reproduction 3042
ecology, distribution 3042
Pinus, USA 3042
sand dunes, USA 3042
Arnoseris minima
ecology
light 2601
nitrogen 2601
seeds
seed dormancy 2601
seed germination 2601
Arrhenatherum elatius
biology
dry matter distribution 906
flowering 906
growth rate 906
tillering 906
Bromus sterilis, UK 959
ecology, population density 906
Hieracium pilosella
growth rate 37
plant competition 37
Hieracium praealtum
growth rate 37
plant competition 37
UK 906
Arsenate, tricalcium- 1242
Arsenical herbicides, resistance 1809
Arsonate, monosodium methane- 4951
Artemisia
Artemisia tridentata
fire effects 3057
plant communities 3057
regrowth 3057
biology, pollen 2636
Bromus tectorum
fire effects 3057
plant communities 3057
regrowth 3057
Chenopodium album
fire effects 3057
plant communities 3057
regrowth 3057
Chenopodium leptophyllum
fire effects 3057
plant communities 3057
regrowth 3057
ecology
plant communities 2621
weed associations 2621
Galium aparine
fire effects 3057
plant communities 3057
regrowth 3057
Polygonum ramosissimum
fire effects 3057
plant communities 3057
regrowth 3057
USA 3057
Verbascum thapsus
fire effects 3057
plant communities 3057
regrowth 3057
weeds, species diversity 3057
Artemisia absinthium, ecology, habitats 2669
Artemisia annua
biology
composition 1921
reproduction 2668
vegetative propagation 2668
ecology, allelopathy 1921
urban areas
disturbed land 2668
introduction 2668
invasion 2668
plant communities 2668
plant competition 2668
spread 2668
Artemisia campestris
biology
morphology 2688
palynology 2688
pollen 2688
Artemisia capillaris
utilization
antibacterial plants 3248
medicinal plants 3248
Artemisia dracunculus
biology
morphology 2688
palynology 2688
pollen 2688
Artemisia frigida
Agropyron cristatum
Canada 1617
economic thresholds 1617
Bromus inermis
Canada 1617
economic thresholds 1617
Canada 892, 4329
control
chemical control 1617
cultural control 1617, 3300
physical control 1617
ecology, drought 1617
pastures
Canada 1617
economic thresholds 1617
grazing 1617
plant competition 1617
population density 1617
spread 1617
rangelands
Canada 1617
economic thresholds 1617
grazing 1617
plant competition 1617
population density 1617
spread 1617
seeds
buried seeds 892
light 892, 4329
seed dormancy 892
seed germination 892, 4329
seed longevity 892
soil water 892, 4329
storage 4329
temperature 892, 4329
viability 4329
Artemisia princeps
biology, identification 1355
ecology, population density 1355
utilization, antibacterial plants 3248
Artemisia scoparia
biology
morphology 2688
palynology 2688
pollen 2688
Artemisia tridentata
Artemisia
fire effects 3057
plant communities 3057
regrowth 3057
biology, nutrient content 2102
control
chemical control 3305
cultural control 3305
physical control 2390
ecology
fire effects 2102
mycorrhizas 1382
nutrient availability 1383, 2102
nutrient uptake 1382

Artemisia tridentata *cont.*
economics
chemical control 3305
cultural control 3305
Elymus smithii, USA 3305
grasslands
fire effects 3057
plant communities 3057
regrowth 3057
Quercus
fire effects 3057
plant communities 3057
regrowth 3057
rangelands, USA 2390, 3305
Stipa comata, USA 3305
USA 1382
Artemisia verlotiorum
biology
reproduction 2668
vegetative propagation 2668
Brazil 4754
control, chemical control 4620, 4754
herbicides
application rates 4754
leaf area 4754
residual effects 4620, 4754
rhizomes 4754
sprouting 4754
stems 4754
urban areas
disturbed land 2668
introduction 2668
invasion 2668
plant communities 2668
plant competition 2668
spread 2668
wheat, Brazil 4620
Artemisia vulgaris, ecology, spatial distribution 3071
Arthraxon hispidus
control, cultural control 1406
rice, population density 1406
Aryloxyphenoxypropionic herbicides
acetyl-CoA carboxylase, *Setaria viridis* 1806
cell membranes 1807
chemistry
binding 4008
structure activity relationships 4008
control, Poaceae 4008
cross resistance 1807
Avena fatua 1806
Setaria viridis 1806
degradation 1807
Alopecurus myosuroides 1807
enzymes, *Setaria viridis* 1806
interactions, safeners 230
resistance 1807
Alopecurus myosuroides 1807
Avena fatua 1806
Setaria viridis 1806
Asclepias curassavica
biology
cardenolides 68
composition 68
glycosides 68
seeds, composition 68
Asclepias exaltata
seeds
seed dispersal 904
seed germination 904
viability 904
water 904
Asclepias syriaca
biology
development 456
fecundity 1264
fertilization 4269
follicles 1264
growth 456
identification 456
physiology 456
pollen 1264
pollination 832, 1264
reproduction 456, 832
roots 4269
stems 3960
control
biological control 456
chemical control 287, 456
cultural control 456

Asclepias syriaca *cont.*
control *cont.*
integrated control 287, 456
physical control 287, 456
ecology
colonizing ability 4269
distribution 456, 4269
habitats 456
history 456
spread 4269
herbicides, spot spraying 456
seeds
seed dispersal 4269
seed production 4269
USA 3960
Ash trees (*see Fraxinus)*
Asia
flora 2623, 3025
weeds
Cassia obtusifolia 4780
Cassia tora 4780
genetic diversity 2639
Setaria italica 2639
Setaria viridis 2639
Asparagus
as weeds
control 3454
New Zealand 3454
Calystegia silvaticum
control 3337
New Zealand 3337
Convolvulus arvensis
control 3337
New Zealand 3337
herbicides
damage 772
selectivity 772
Poland 772
weeds
chemical control 721
control 1588
Asparagus officinalis (*see* Asparagus)
Asphodelus fistulosus
cotton
surveys 4806
yields 4806
lucerne
surveys 4806
yields 4806
maize
surveys 4806
yields 4806
sorghum
surveys 4806
yields 4806
vegetables
surveys 4806
yields 4806
wheat
surveys 4806
yields 4806
Asphodelus tenuifolius
control
chemical control 2524
integrated control 2524
physical control 2524
Aspilia africana
biology
composition 3246
nutritive value 3246
utilization, feeds 3246
Aster conspicuus
Canada 4243
herbicides, nutrient content 4243
Aster pilosus
control
chemical control 502
cultural control 502
physical control 502
ecology
establishment 440
genotype environment interaction 440
fallow
plant succession 502
population dynamics 502
rye
plant succession 502
population dynamics 502
seeds
embryos 440
seed banks 440, 502

Aster pilosus *cont.*
seeds *cont.*
seed dispersal 440
seed germination 440
seed weight 440
sorghum
plant succession 502
population dynamics 502
utilization, antifungal plants 3248
Aster subspicatus
cranberries
fruits 1395
pigments 1395
plant competition 1395
population density 1395
quality 1395
size 1395
USA 1395
yields 1395
Aster yomema, utilization, antifungal plants 3248
Asteraceae
amenity and recreation areas, surveys 1407
biology
flowering 3481
fruiting 3481
reproduction 1796
taxonomy 1796-1797, 2607, 3061
canal banks, surveys 1407
Capsicum, occurrence 1796
cotton, surveys 3956
ditch banks, surveys 1407
ecology
habitats 1407
occurrence 2627
plant communities 3061
surveys 3061
water relations 3061
grapes
pH 2227
soil types 2227
surveys 2227
grasslands, surveys 1407
herbicides, antagonism 3235
hops, occurrence 2226
hosts, fungi 2713
maize, surveys 1407
rice, surveys 1407
rivers, surveys 1407
roadsides, surveys 1407
rowcrops, population density 1797
seeds, buried seeds 2805
streams, surveys 1407
sugarbeet, surveys 3511
swamps, surveys 1407
tea
population density 3517
surveys 3517
tree fruits
pH 2227
soil types 2227
surveys 2227
utilization, foods 2805
vegetables, surveys 1407
walls, surveys 1407
waste land, surveys 1407
wheat, surveys 1407
Astragalus
biology
anatomy 4715
evolution 4715
molecular genetics 4715
taxonomy 4715
ecology, distribution 4715
toxicity, livestock 3402, 3851
Astragalus cicer
herbicides
apical meristems 1532
damage 1622
growth rate 1532
plant height 1532, 1622
roots 1532
tolerance 1532
yields 1622
Hieracium pilosella
growth rate 37
plant competition 37
Hieracium praealtum
growth rate 37
plant competition 37

Astragalus cicer *cont.*
USA 1622
weeds, plant competition 1622
Astragalus eriocephalus
biology
carbohydrates 519
composition 519
sugars 519
water relations 519
Astragalus flexuosus, *Medicago lupulina,* hosts of plant diseases 4849
Astragalus lentiginosus
biology
composition 3403
toxins 3403
toxicity
cattle 3403
sheep 3403
Astragalus mollissimus
biology
composition 3402
toxins 3402
control, biological control 3855
herbicides
degradation 2910
selectivity 2910
translocation 2910
uptake 2910
hosts, insects 3855
toxicity
cattle 3402
livestock 2910
Asulam
adjuvants, sugarcane 788
application date, sugarcane 788, 1229
application rates, sugarcane 788, 1964
carbohydrates, *Pteridium aquilinum* 1249, 2537
composition
Pteridium aquilinum 2537
sugarcane 2883
contact angle
Avena fatua 3229
Pteridium aquilinum 3229
control
Cleome, sugarcane 1964
Cyperus, sugarcane 1964
Digitaria, sugarcane 1964
Paspalum urvillei 1964
Pteridium aquilinum 1964, 2537, 3407
heathlands 1249
Ranunculus acris 861
Rottboellia cochinchinensis, sugarcane 788, 1964
Rumex obtusifolius
Dactylis glomerata 1205
Festuca pratensis 1205
grasslands 1205
Lolium perenne 1205
Trifolium repens 1205
Sorghum halepense, sugarcane 1229
weeds
cucumbers 5068
sugarcane 2883
cross resistance, *Ranunculus acris* 861
cytology, oats 217
droplet size
Avena fatua 3229
Pteridium aquilinum 3229
droplet studies
Avena fatua 3229
Pteridium aquilinum 3229
dry matter distribution, *Pteridium aquilinum* 2537
enzymes, tobacco 2932
growth rate, *Pteridium aquilinum* 1249, 2537
interactions, surfactants 1962, 1964, 3229
microtubules, oats 217
mitosis, oats 217
mode of action, oats 217
plant breeding
genetic transformation 2932
molecular genetics 2932
tolerance 2932
residual effects
broccoli 5068
cucumbers 5068
Phaseolus vulgaris 5068
spinach 5068
Asulam *cont.*
resistance, *Ranunculus acris* 861
rhizomes, *Pteridium aquilinum* 1249
starch, *Pteridium aquilinum* 1249
sugars, sugarcane 1229, 2883
surfactants
Avena fatua 3229
Pteridium aquilinum 1962, 3229
sugarcane 1964
tolerance
sugarcane 788
tobacco 2932
translocation, *Pteridium aquilinum* 1962
uptake
Avena fatua 3229
Pteridium aquilinum 1962, 3229
yields
broccoli 5068
cucumbers 5068
Dactylis glomerata 1205
Festuca pratensis 1205
grasslands 1205
Lolium perenne 1205
Phaseolus vulgaris 5068
spinach 5068
sugarcane 788, 1229, 2883
Trifolium repens 1205
Asystasia gangetica
control
chemical control 1227
cultural control 3030
Hevea brasiliensis
emergence 3030
seed banks 3030
oil palms
emergence 3030
seed banks 3030
seeds, seed germination 3030
Asystasia intrusa
biology
growth rate 3056
plant height 3056
ecology, allelopathy 3056
seeds, seed germination 3056
Atpolan 4609
Atraton
residues
atmosphere 3578
precipitation 3578
Atrazine
abscission, maize 3672
adjuvants
faba beans 4125
maize 1562, 3706, 4125, 4625
peas 4125
potatoes 4125
rape 4125
sugarbeet 4125
aerial application, *Eucalyptus nitens* 3581
amino acids, cyanobacteria 1537
analytical methods 3615
bioassays 125, 129
biosensors 129-130, 4023
chemiluminescence immunoassays 1867
chromatography 115, 1867, 4865
densitometry 4016
electrolysis 4021
ELISA 131, 134, 1875, 3164, 3575, 4468
enzyme immunoassay 2296, 3574
extraction 111, 115, 569, 571, 1460, 1866, 2285-2287, 2720, 2725, 3565, 4458-4459, 4864-4865, 4927
fluorescence 1034, 1867
freeze drying 2284
gas chromatography 569, 1037, 1869, 2292, 2302, 4459, 4463
HPLC 115, 569, 571, 1044, 1866, 2289, 2294, 4463, 4864
immunoassay 135, 146, 578, 1042, 1044, 1047, 1459-1460, 1876, 2294-2295, 2302, 3576, 4021
liquid chromatography 2285, 2289, 2725
mass spectrometry 115, 1037, 1869, 2287, 2725, 4463
polymerization 4460
sampling 3560
sorption 4460
Atrazine *cont.*
analytical methods *cont.*
spectrophotometry 1867, 3580
thin layer chromatography 1034, 2305, 4016, 4864
antagonism, maize 4625
application
application date 1176, 2399, 3621
application methods 2327, 3170
application rates 1176, 2327, 2399
band spraying 2327, 3170, 3640
cleaning 4030
deposition 4497
drift 2306
environmental impact 869, 1176, 4497
protective clothing 3714
rain 2327, 3170
safety 2399
sprayers 4030
wind effects 2306
application date
Digitaria eriantha 4200
forests 3388
Lupinus 4924
maize 744, 1191, 1998, 3268, 3770
rights of way 3388
roadsides 3388
sorghum 2434
soyabeans 2354
sugarcane 789, 1229, 2884, 5095
Trifolium incarnatum 757
application methods
Lupinus 4924
maize 1191, 1998, 3770, 3775
sugarcane 789, 2884, 5095
application rates
Abutilon theophrasti 1810
algae 1531
Amaranthus hybridus 3076
cyanobacteria 4551
Digitaria eriantha 4200
faba beans 4125
maize 288, 744, 1191, 1898, 3265, 3267, 3274, 3584, 3588, 3770, 4125, 4151
oats 1601
peas 4098, 4125
Phaseolus vulgaris 1601
potatoes 4125
rape 4125
rice 4927
sorghum 1601, 2434
soyabeans 1601, 3265, 3584
sugarbeet 4125
sugarcane 789, 2884, 5094
sunflowers 1601
wheat 3265
binding sites, cyanobacteria 1537
bioassays
algae 129
Amaranthus hybridus 4101
Bidens bipinnata 4101
Eleusine indica 4101
oats 1466, 3129, 4101
rye 1557
soyabeans 4101
spinach 1542, 4023
sunflowers 4101
Tagetes minuta 4101
carbohydrates, *Bouteloua gracilis* 4949
carotenoids, maize 3672
cell cultures, algae 659
cell division, algae 2558
cellulase, maize 3672
chemistry
biodegradation 4447
chemical properties 622, 3632
degradation 1908, 2297, 3550, 4516
hydrolysis 4911
new products 4449
oxidation 3550
photolysis 1488, 2297
structure activity relationships 1542
chlorophyll
Amaranthus hybridus 2252
Amaranthus retroflexus 2252
Bouteloua gracilis 4949
Chenopodium album 2252
cyanobacteria 2358
Lemna minor 2558

Atrazine *cont.*
chlorophyll *cont.*
maize 3672
Panicum dichotomiflorum 4548
peas 2778
Polygonum lapathifolium 4548
rice 655
Setaria faberi 3962
Setaria geniculata 3962
Setaria pumila 3962
Setaria viridis 3962
chloroplasts
Panicum dichotomiflorum 4548
Polygonum lapathifolium 4548
chlorosis, rice 655
composition
cyanobacteria 2358
maize 4966
pomegranates 3350
sugarcane 2883
control
Abutilon theophrasti 1562
maize 288, 1557
Ageratum conyzoides, potatoes 4650
Agrostis capillaris
Festuca 3304
grasslands 3304
Amaranthus hybridus 3076
Digitaria eriantha 4200
maize 3076
sorghum 2435
Amaranthus palmeri, fallow 333
Amaranthus retroflexus, maize 1079, 2006, 2826
Amaranthus viridis
Pennisetum glaucum 5040
potatoes 3322
Ambrosia artemisiifolia
maize 287, 3267
sorghum 2435
Anagallis arvensis, potatoes 4650
Asclepias syriaca, maize 287
Avena, sorghum 1795
Bromus tectorum, wheat 2458
Cassia obtusifolia, sorghum 2435
Chenopodium album 1562
maize 287, 2006
potatoes 4650
sorghum 2435
Chloris gayana, sorghum 1795
Chromolaena odorata 3952
Cleome monophylla, potatoes 3322
Commelina benghalensis
potatoes 3322
sorghum 3278
Convolvulus arvensis, sorghum 1795
Conyza canadensis, sorghum 2435
Coronilla varia, maize 3268
Cynodon dactylon
maize 1191
potatoes 4650
Cyperus rotundus
maize 1191
Pennisetum glaucum 5040
potatoes 3322, 4650
sorghum 3278
Dactylis glomerata
Festuca 3304
grasslands 3304
Dactyloctenium aegyptium
maize 1191
sorghum 3278
Datura metel 1562
Dichanthium sericeum, sorghum 1795
Digera arvensis
Pennisetum glaucum 5040
sorghum 3278
Digitaria, maize 1562
Digitaria marginata, potatoes 3322
Digitaria sanguinalis 1562
maize 4625
sorghum 2435
Echinochloa
fallow 1795
sorghum 1795
Echinochloa colonum
maize 1191
Pennisetum glaucum 5040
potatoes 3322
sorghum 3278
Echinochloa crus-galli 1562

Atrazine *cont.*
control *cont.*
Echinochloa crus-galli cont.
barley 2824
maize 2006, 2826
oats 2824
wheat 2824
Eleusine indica
Digitaria eriantha 4200
sorghum 3278
Elymus repens, maize 287, 290
Eragrostis cilianensis
barley 2824
oats 2824
sorghum 1795
wheat 2824
Eriochloa villosa, maize 4625
Fallopia convolvulus, fallow 1795
Festuca arundinacea, sorghum 2032
Fumaria parviflora, potatoes 4650
Gnaphalium indicum, potatoes 4650
Kochia scoparia
fallow 333
sorghum 2434
Leptochloa fascicularis 3452
Leptochloa filiformis 3452
Lolium perenne
Festuca 3304
grasslands 3304
Melilotus alba, potatoes 4650
Oxalis corniculata, potatoes 4650
Panicum capillare
barley 2824
oats 2824
wheat 2824
Panicum decompositum
fallow 1795
sorghum 1795
Panicum dichotomiflorum, maize 2357, 2430, 4548
Panicum miliaceum, maize 4625
Phyllanthus niruri
Pennisetum glaucum 5040
sorghum 3278
Physalis heterophylla, maize 287
Poaceae, maize 1597
Polygonum aviculare, fallow 1795
Polygonum lapathifolium, maize 2006, 2357, 4548
Polygonum pensylvanicum, maize 287-288
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
Portulaca oleracea 1562
maize 1191
sorghum 1795, 3278
Rottboellia cochinchinensis, sugarcane 789
Schkuhria pinnata, Digitaria eriantha 4200
Setaria faberi, maize 288, 4625
Setaria pumila, maize 287, 1557, 2006
Setaria viridis 1562
maize 1079
Solanum khasianum, potatoes 3322
Solanum nigrum, potatoes 4650
Sonchus oleraceus
fallow 1795
sorghum 1795
Sorghum halepense, sugarcane 1229, 4796
Sporobolus indicus, Cynodon dactylon 2522
Tagetes minuta, Digitaria eriantha 4200
Taraxacum officinale 4969
Trianthema portulacastrum
Pennisetum glaucum 5040
sorghum 3278
Tribulus, sorghum 1795
Urochloa panicoides
fallow 1795
sorghum 1795
Vulpia myuros
Festuca 3304
grasslands 3304
weeds 2399
apples 4661

Atrazine *cont.*
control *cont.*
weeds *cont.*
Bouteloua gracilis 4634
faba beans 4125
fallow 333, 1795
Festuca 3304
forests 607
grasslands 3304
Hemarthria altissima 4196
industrial sites 1096
maize 614, 743-744, 1176, 1470, 1597, 1601, 1869, 1998, 2000, 2003, 2304, 2430, 2824, 2826, 3265, 3274, 3588, 3770-3771, 3775-3776, 4125, 4212, 4626-4627, 4975
pastures 4634
peas 4125
Pennisetum glaucum 3781
pomegranates 3347-3350
potatoes 2481, 4125
railways 3588
rape 4125
sorghum 729, 1795, 2032, 4975
soyabeans 3265, 4627
sugarbeet 4125
sugarcane 328, 1230, 2067, 2883-2884, 5094-5095
wheat 729-730, 3265, 5023
Xanthium spinosum, sorghum 1795
Xanthium strumarium 1562
sorghum 2435
cross resistance
Abutilon theophrasti 1810
Conyza canadensis 3209
damage
Cynodon dactylon 2522
Digitaria eriantha 4200
maize 1597, 3772, 4625
Phaseolus vulgaris 4212
rice 4927
rye 1557
sorghum 3278
Stenotaphrum secundatum 4103
sugarcane 789
sunflowers 4212
wheat 3278
degradation
Atriplex patula 2252
maize 2698, 3706
Panicum dichotomiflorum 2357, 4548
Polygonum lapathifolium 2357, 4548
Setaria faberi 2698
economics
Bouteloua gracilis 4634
cotton 333
maize 869, 3776
pastures 4634
potatoes 2481
sorghum 729, 869
sugarcane 1230, 2067
wheat 729-730
electron transfer 3695
cyanobacteria 1537-1538, 1544, 3692, 4963
rape 3692
spinach 1542
tobacco 3692
energy relations
maize 3265
soyabeans 3265
wheat 3265
environmental impact
Elodea canadensis 3610
reclaimed land 1914
Typha latifolia 3610
enzymes
algae 659
Conyza canadensis 2373
maize 2698, 3672, 4966
Setaria faberi 2698, 3962
Setaria geniculata 3962
Setaria pumila 3962
Setaria viridis 3962
establishment, *Andropogon gerardii* 5055
fatty acids, algae 1531
flowering, pomegranates 3349
formulations 2327
controlled release 627, 2381, 3703

Atrazine *cont.*
formulations *cont.*
emulsions 1557
encapsulation 288, 614, 627, 1079, 2381, 3703, 4077
granules 3714
liquids 2381, 3714
microencapsulation 4016
powders 1079
wettable powders 614, 3714
fruits, pomegranates 3349-3350
gas exchange, peas 2778
glutamate-ammonia ligase, algae 659
glutamate dehydrogenase, algae 659
glutathione
maize 2698, 4966
Setaria faberi 2698
glutathione transferase
maize 2698, 4966
Setaria faberi 2698, 3962
Setaria geniculata 3962
Setaria pumila 3962
Setaria viridis 3962
growth rate
algae 659, 1076, 1531, 2558
Amaranthus hybridus 4101
barley 3764
Bidens bipinnata 4101
Bouteloua gracilis 4949
cyanobacteria 1076, 2358, 4551
Eleusine indica 4101
Lemna minor 2558, 3436
maize 3268, 4966
oats 3764, 4101
Panicum dichotomiflorum 2357
peas 2778, 4098
Polygonum lapathifolium 2357
pomegranates 3350
Pteridophyta 4497
rice 4927
soyabeans 4101
Spermatophyta 4497
Stenotaphrum secundatum 4103
sugarbeet 3759
sugarcane 328
sunflowers 4101
Tagetes minuta 4101
wheat 3759
interactions
adjuvants 1562, 2381, 3227, 3706, 4125, 4625
ammonia 3621
copper sulfate 3560
fertilizers 232, 2334, 3278, 3621, 4625
herbicides 614, 1537, 2826, 3452, 3759, 3764, 3775, 4019, 4103, 4200, 4625-4626, 5055
milk 4023
pesticides 2399, 3580
sewage sludge 3176
sodium azide 4516
surfactants 4625
labelling, maize 2304
leaves
Lemna minor 2558
pomegranates 3347-3348
legislation
Canada 578
Europe 2003
European Communities 135
France 3770
Germany 2002, 2294, 4030
Poland 2399
USA 869, 1176, 2304, 3304
light
cyanobacteria 4963
oats 3129
lipids, *Solanum nigrum* 1673
membrane permeability, *Chenopodium album* 1517
mode of action 3770
cyanobacteria 4963
morphology, sorghum 657
mutants 3695
cyanobacteria 1537-1538, 1544, 3692
rape 3692
tobacco 3692
nitrate reductase
algae 659
Bouteloua gracilis 4949

Atrazine *cont.*
nitrite reductase, algae 659
nitrogen, cyanobacteria 2358
nitrogen content, *Bouteloua gracilis* 4949
nitrogen metabolism, algae 659
nontarget effects
algae 4050
aquatic organisms 4052
bacteria 4050
crabs 4052
Crustacea 4050, 4052
fungi 4497
Pteridophyta 4497
Spermatophyta 4497
nutrient content, pomegranates 3347-3348
nutrient uptake
Ageratum conyzoides 4650
algae 3436
Amaranthus viridis 5040
Anagallis arvensis 4650
Chenopodium album 4650
cyanobacteria 3436
Cynodon dactylon 4650
Cyperus rotundus 4650, 5040
Digera arvensis 5040
Echinochloa colonum 5040
Fumaria parviflora 4650
Gnaphalium indicum 4650
Melilotus alba 4650
Oxalis corniculata 4650
Pennisetum glaucum 5040
Phyllanthus niruri 5040
potatoes 4650
Solanum nigrum 4650
Trianthema portulacastrum 5040
peroxidase
algae 659
maize 4966
phenolic compounds, cyanobacteria 2358
phosphorus, *Bouteloua gracilis* 4949
photosynthesis 3695
algae 1531
Amaranthus hybridus 2252
Amaranthus retroflexus 2252
Chenopodium album 2252
cyanobacteria 1537-1538, 4963
Panicum dichotomiflorum 2357, 4548
Polygonum lapathifolium 2357, 4548
photosystem II 3695
cyanobacteria 1544, 4963
peas 2778
spinach 1542, 4023
pigments, peas 2778
plant breeding, tolerance 2354, 2787
plant diseases
cereals 2338
grain legumes 2338
oilseed plants 2338
potatoes 2338
sorghum 3780
sugarbeet 2338
plant growth regulators
maize 3672
peas 2778
plant height
maize 4966
rice 4927
sugarcane 5095
plasma membranes, *Chenopodium album* 1517
population density
Andropogon gerardii 5055
maize 3776
properties
physical properties 622, 3632
solubility 2327, 3119, 3703, 4481
proteins
algae 659, 1531
cyanobacteria 3692
rape 3692
tobacco 3692
quality
pomegranates 3350
sugarcane 2067
registration
Canada 3436
Poland 2399
reproduction, peas 4098
residual effects 4151
barley 3764
maize 1898

Atrazine *cont.*
residual effects *cont.*
oats 1601, 3764
Phaseolus vulgaris 1601, 4212
sorghum 1601
soyabeans 1601, 4627
sugarbeet 3759
sunflowers 1601, 4212
wheat 3759
residues 4023
aquifers 2300, 3593, 3632, 3657
atmosphere 137, 578, 1882, 1884, 2295, 2297, 2306, 3560, 3578-3579, 4463
drinking water 125, 131, 135, 1096, 1459, 2296, 2300, 2304-2305, 3584, 3589, 3618, 4030, 4864
foods 2731
groundwater 125, 154, 579-580, 628, 869, 1052, 1096, 2287, 2296, 2300, 2302, 2328, 3140, 3175, 3580, 3588, 3592-3593, 4016, 4027-4028, 4030, 4032, 4042, 4077, 4922-4923
growing media 2558
lakes 582, 1072, 2304, 4478
maize 1460, 1898, 1998, 3574, 4481
marine environment 1468, 1914
milk 146
plant products 1090
precipitation 578, 3578
protective clothing 3714
rain 137, 2306, 3560, 3579, 4463
river water 571, 1884, 2300, 2304, 3576, 4033, 4463, 4468
rivers 2285, 3136, 4932
sea water 1471
sediment 1864, 3135, 4865
snails 607
soil 115, 136, 169, 180, 232, 569, 579-580, 582, 614-615, 617-618, 620-622, 624, 627-628, 633-634, 1044, 1079, 1083, 1085-1086, 1090-1091, 1096-1099, 1101, 1459, 1465-1466, 1601, 1865, 1869, 1884, 1915, 2286, 2294, 2296, 2300, 2323-2324, 2327-2328, 2331, 2333-2335, 2338, 2381, 2720, 2754, 2756, 3119, 3135, 3159, 3164-3168, 3170-3171, 3175-3176, 3565, 3580, 3593, 3615, 3621, 3632, 3640-3641, 3656-3657, 3659-3660, 3706, 3759, 3764, 3770, 4027-4028, 4030, 4071, 4075-4077, 4101, 4151, 4212, 4458, 4481, 4499, 4503, 4508, 4515, 4519-4520, 4523, 4529, 4627, 4875, 4911, 4914, 4919-4924, 4927, 4935, 4949
soil water 580, 615, 620, 1091, 1096-1097, 2324, 3166-3167, 3656, 3660, 4499, 4508, 4921, 4924
streams 2304, 3581
surface water 578-579, 627, 869, 1052, 1098, 1176, 2295, 2300, 2304, 3588, 3592, 4032, 4071, 4864
tap water 3576
wastes 134
water 111, 569, 571, 582, 616, 636, 1071-1072, 1076, 1101, 1459, 1468, 1866, 1869, 1875, 1884, 1914, 2284-2285, 2287, 2289, 2300, 2305, 2327, 2333, 2558, 2725, 2731, 2744, 2758, 3135, 3550, 3560, 3576, 3581, 3610, 3657, 4021, 4050, 4083, 4495, 4865, 4877, 4932
water reservoirs 2304
wells 1470, 1869, 2300, 2302
zooplankton 3135
resistance
Abutilon theophrasti 1810
algae 3210
Amaranthus hybridus 2252, 3076
Amaranthus retroflexus 2252
Atriplex patula 2252
Chenopodium album 2252
Conyza canadensis 2373, 3081, 3209
cyanobacteria 1538, 1544

Atrazine *cont.*
resistance *cont.*
Lolium rigidum 983
Panicum dichotomiflorum 2357, 4548
Polygonum lapathifolium 2357, 4548
Setaria faberi 3962
Setaria geniculata 3962
Setaria pumila 3962
Setaria viridis 3962
Solanum nigrum 1673
respiration, algae 1531
rooting, rice 655
roots
Bouteloua gracilis 4949
maize 4966
sorghum 3780
Stenotaphrum secundatum 4103
seed production, *Trifolium incarnatum* 757
selectivity, *Digitaria eriantha* 4200
set, pomegranates 3349-3350
shoots
Bouteloua gracilis 4949
maize 4966
soil
adsorption 4911
bacteria 1099, 1101, 2331, 4519-4520, 4523
biodegradation 634, 1099, 1101, 1884, 2331, 2333-2334, 3159, 3171, 3615, 4508, 4519-4520, 4523, 4935
chemical degradation 633, 3615, 4516
crop residues 4508
degradation 169, 232, 580, 620, 628, 1044, 1096, 1098, 1465-1466, 1884, 2296, 2328, 2334, 2720, 3171, 3175-3176, 3640, 3657, 3659-3660, 4030, 4071, 4077, 4151, 4503, 4865, 4911, 4914, 4924, 4949
earthworms 618
enzymes 3171, 4529, 4949
fertilizers 232, 634, 2334
fungi 1099, 2338, 3171, 3780
humus 1488, 3165
irradiation 4911
irrigation 3168
leaching 615, 620, 627-628, 1083, 1090-1091, 1096-1097, 1915, 2324, 2327-2328, 2381, 2754, 2756, 3164, 3167, 3170, 3593, 3640, 3660, 4027, 4075, 4077, 4515, 4920-4921, 4923-4924
light 1488
microbial degradation 633, 3615
microorganisms 1884
mineralization 3656
movement 617-618, 624, 627, 1079, 1083, 1097, 1465, 1884, 2300, 2324, 2327-2328, 2754, 3119, 3164, 3168, 3621, 3632, 3641, 3656-3657, 3659, 4076, 4919-4920, 4922-4924
mycorrhizas 634
organic matter 620-622, 1097, 2323, 3164, 3615, 3656, 4499, 4911, 4919, 4927
oxygen 3615
persistence 627, 1079, 1096, 1465-1466, 2327-2328, 2334, 3159, 3565, 3656-3657, 3659, 3770, 4030, 4151, 4503, 4515, 4911, 4914, 4924
pH 620, 622, 633, 1097, 3615, 3621, 3780, 4911, 4924
photolysis 1488
rain 180, 1884, 2335, 2756, 4027
runoff 180, 582, 615, 1098, 1884, 2327, 3166, 3170, 4071, 4499
soil structure 1086
soil types 169, 620-622, 628, 633, 1044, 1097, 1601, 3168, 3176, 3615, 3621, 3640-3641, 4458, 4529, 4911, 4914, 4920
soil water 2756, 3168, 3615, 3656, 4499, 4503, 4508, 4914, 4919, 4924
sorption 136, 617-618, 620-622, 1083, 1085-1086, 1096-1097, 1915, 2323, 2327, 2754, 2756,

Atrazine *cont.*
soil *cont.*
sorption *cont.*
3164-3165, 3168, 3170, 3175, 3621, 3632, 3640-3641, 3657, 4508, 4919, 4922
temperature 3615, 4030, 4503, 4911, 4914
tillage 1091, 2335, 3159, 4027, 4077
volatilization 614-615, 3659, 4508
sprayers, sugarcane 2884
sugars
cyanobacteria 2358
pomegranates 3350
sugarcane 1229, 2883
superoxide dismutase, *Conyza canadensis* 2373
surfactants, maize 4625
susceptibility
Amaranthus hybridus 4101
Bidens bipinnata 4101
cyanobacteria 4551
Eleusine indica 4101
oats 4101
soyabeans 4101
sunflowers 4101
Tagetes minuta 4101
temperature, maize 3772
thylakoids
cyanobacteria 1537-1538, 3692
rape 3692
Solanum nigrum 1673
spinach 1542, 4023
tobacco 3692
tolerance
oats 1601
Phaseolus vulgaris 1601, 4212
rape 2787
sorghum 1601
soyabeans 1601, 2354
sunflowers 1601, 4212
toxicity 2399
algae 1076, 2558, 4050
aquatic organisms 579, 1071, 2744, 3135, 3436, 4052, 4054
aquatic plants 869
bacteria 4050
carcinogens 3584
Copepoda 4054
crabs 4052
Crustacea 2744, 3158, 4050, 4052, 4054
cyanobacteria 1076, 2358
ecosystems 579, 3135, 3436
fishes 166, 1071-1072, 1484, 2744, 3604
fungi 1074, 2338, 4497
Gastropoda 4495
hamsters 4042
insects 152, 1071
Lemna minor 2558
man 869, 1892, 3584, 4486
mutagens 152, 1892
Pteridophyta 4497
public health 1096
rats 1059, 1892, 1898
snails 607
soil fauna 1071
Spermatophyta 4497
zooplankton 3135
translocation
Panicum dichotomiflorum 4548
Polygonum lapathifolium 4548
tubers, potatoes 3322, 4650
uptake
Chenopodium album 1517
Lemna minor 2558
maize 4481
oats 1466
Panicum dichotomiflorum 4548
Polygonum lapathifolium 4548
rice 4927
variety trials, maize 3274
water
aquatic organisms 1071
bacteria 1101
biodegradation 582, 636, 1101, 2333, 2758, 4083, 4932
chemical degradation 4516
degradation 137, 571, 582, 616, 1866, 2287, 2296, 2558, 2725, 3175,

Atrazine *cont.*
water *cont.*
degradation *cont.*
3550, 3560, 3657, 4032, 4071, 4468, 4478, 4865, 4877
microbial degradation 4083
movement 1884, 1914, 3657
oxygen 636
persistence 1096, 3175, 3610, 3657
pH 616
photolysis 616, 3618
salinity 2744, 3135, 4054
sorption 3657
water quality 4054
yields
Andropogon gerardii 5055
Bouteloua gracilis 4634
cotton 333
maize 287-288, 743-744, 1597, 1998, 2000, 2824, 3265, 3267, 3274, 3276, 3775-3776, 4625
pastures 4634
Pennisetum glaucum 3781
Phaseolus vulgaris 4212
pomegranates 3350
potatoes 2481, 3322, 4650
sorghum 729, 3780
soyabeans 2354, 3265
sugarcane 328, 1229-1230, 2067, 2883, 5094-5095
sunflowers 4212
wheat 729, 3265
Atriplex canescens
biology
chromosome number 1368
composition 1368
cytology 1368
flavonoids 1368
morphology 1368
ploidy 1368
Atriplex elegans
biology
flowers 2259
morphology 2259
stems 2259
Mexico 2259
Atriplex patula
ecology, ecotypes 2252
herbicides
degradation 2252
resistance 2252
maize, surveys 2252
Atropa belladonna
biology
composition 2272
enzymes 2272
glucosidase inhibitors 2272
root exudates 2272
roots 2272
tropane alkaloids 2272
Aubergines (*Solanum melongena*)
algae
biological control 862
chemical control 862
Amaranthus retroflexus
allelopathy 4385
nutrient availability 4385
seed germination 4385
Chenopodium album
control 2053
India 2053
nutrient uptake 2053
Chenopodium murale
allelopathy 4385
nutrient availability 4385
seed germination 4385
herbicides
economics 773
plant height 773
rope wick 773
yields 773, 3332
India 773
Orobanche
damage 2933
host parasite relationships 2933
Romania 3332
Solanum elaeagnifolium, hosts of plant pests 3995
Trianthema portulacastrum
control 2053
India 2053

Aubergines *cont.*
Trianthema portulacastrum cont.
nutrient uptake 2053
weed control
economics 773
plant height 773
yields 773
weeds
biological control 862
chemical control 721, 862, 2410, 4153
Australia
Picris hieracioides 26
weed control
Acacia nilotica 3400
biological control 369
Cryptostegia grandiflora 369
Pinopsida 5114
weeds
Acacia nilotica 2899
Cassia obtusifolia 4780
Cassia tora 4780
Chenopodiaceae 2255
Chrysanthemoides moniliferum 825
grasslands 2899
herbicide resistant weeds 1807, 4410, 4614
Hydrilla verticillata 856
introduction 1412
invasion 2899, 4336
Lolium rigidum 1807
methane production 2140
Nassella 2192
Onopordum illyricum 4336
Orobanche 2966
Portulaca oleracea 1440
Pteridium 2917
Raphanus raphanistrum 3034
Senecio lautus 1271
Sisymbrium orientale 4410
Sonchus oleraceus 4410
spread 1412
surveys 2966
wetlands 2140
Australian Capital Territory
weed control
contracts 3729
economics 3729
labour requirements 3729
New South Wales
Cassinia arcuata 1669
cotton 4437
Eucalyptus blakelyi, Amyema miquelii 2547
Eucalyptus melliodora, Amyema miquelii 2547
herbicide residues
fruit crops 1049
vegetables 1049
herbicides
cotton 3833
fallow 1795
legislation 4758
sorghum 1795
wheat 1795
Melaleuca quinquenervia 368
oats 3905
pastures 3905
Pteridium aquilinum var. *esculentum* 4270
Trifolium subterraneum 304, 1209
weed control
biological control 4758
conferences 4758
cyanobacteria 4306
fallow 1795
Hypericum perforatum 5151
sorghum 1795
wheat 1795
weeds
climate 1801
cyanobacteria 4306
fallow 1795
Hypericum perforatum 5151
Nassella trichotoma 1801
Senecio 4723
Senecio lautus 4723
Senecio madagascariensis 4723
sorghum 1795
wheat 1795
Xanthium spinosum 3115
Australia *cont.*
Northern Territory
Mimosa pigra 105, 371, 563, 4261
national parks 6
Sida acuta 564, 3998
Sida rhombifolia 564
weeds
Argemone ochroleuca 5152
Barleria prionitis 5142
Mimosa pigra 2108
weed control 5142, 5152
Queensland
Alphitonia petriei 4361
Cryptostegia grandiflora 2532
fallow 270
flora 3911
lucerne 756
Parthenium hysterophorus 555
Salvinia molesta 1294
weed control
biological control 4758
conferences 4758
Cucurbitaceae 2593
pineapples 781
reports 2586
weeds 3911
cattle 3414
Gomphocarpus physocarpus 4843
Melastoma affine 3847
Pimelea elongata 3414
Pimelea simplex 3414
Pimelea trichostachia 3414
surveys 4843
toxicity 3414
wheat 270
South Australia
herbicides
lucerne 4201
reports 1728
yields 4201
oats, *Lolium rigidum* 3768
Pinus radiata 4359
weed control
extension 4756
legislation 4756
potatoes 1728
reports 1728, 4756
training 4756
weeds
potatoes 1728
reports 1728
Tasmania, *Eucalyptus nitens* 3581
Victoria
herbicide residues, reports 868
herbicides, reports 868
oats, *Lolium rigidum* 3768
weed control
contracts 3731-3732
labour requirements 3731-3732
parks 3732
policy 3731
waterways 3732
weeds
climate 1801
Nassella trichotoma 1801
Western Australia
Emex australis 438, 975
Enchylaena tomentosa
Eremophila 1207
Hakea preissii 1207
Senna 1207
forests
Ehrharta calycina 3955
Eragrostis curvula 3955
Lupinus 4924
Lupinus albus 4911
Lupinus angustifolius 4911
Maireana tomentosa
Eremophila 1207
Hakea preissii 1207
Senna 1207
Olax phyllanthi 2122
rangelands
Eremophila 1207
Hakea preissii 1207
Senna 1207
Rhagodia eremaea
Eremophila 1207
Hakea preissii 1207
Senna 1207
Australia *cont.*
Western Australia *cont.*
roadsides
Ehrharta calycina 3955
Eragrostis curvula 3955
Scaevola spinescens
Eremophila 1207
Hakea preissii 1207
Senna 1207
weed control
Lolium rigidum 4614
wheat 4614
weeds, *Amyema miquelii* 4727
Austria
Amaranthus powellii 20
Amaranthus retroflexus 20
flora 2631
herbicides, value added tax 1175
lakes, *Phragmites australis* 2527
Medicago lupulina 20
Plantago lanceolata 20
Vicia hirsuta 20
weeds 4435
Brassicaceae 4427
thioglucosidase 4427
Auxins 90, 189, 294, 644, 1108, 1708, 2956, 3533, 4543
Avena
barley, UK 280
biology
chromosomes 21
genetics 15
karyotypes 21
polymorphism 21
cereals
chemical control 4159
control 3750
Poland 4159
control, chemical control 263, 280, 2487, 4545
herbicides
antagonism 4545
degradation 196
membrane potential 196
resistance 196
retention 4545
translocation 4545
uptake 4545
sorghum
population dynamics 1795
surveys 1795
sugarbeet
surveys 499
weed associations 499
sunflowers
surveys 499
weed associations 499
wheat
surveys 499
UK 280
weed associations 499
Avena barbata
barley, hosts of plant diseases 3986
biology, genetic variation 2638
ecology
biotypes 2638
introduction 2638
hosts, viruses 3986
Avena byzantina
herbicides
acetyl-CoA carboxylase 2367
antagonism 2367
β-carotene 2367
carotenoids 2367
composition 2367
enzymes 2367
photosynthesis 2367
plant growth regulators 2367
water stress 2367
zeaxanthin 2367
Avena fatua
barley
Canada 39, 54, 1189
emergence 39
France 4816
light 1188
nutrient availability 39
plant competition 39, 1188-1189
UK 2383
water relations 39
yields 39

Avena fatua *cont.*
biology
aleurone cells 3181, 3183
α-amylase 1332, 1506, 3181, 3183
apical dominance 1925
biomass 4816
carbohydrates 1747
digestibility 1179
DNA polymerase 2266
DNA repair 2266
energy content 1179
enzymes 2, 1332, 1506, 2266, 3181, 3183
flowering 985
gene expression 445, 1336
genes 4816
genetic variation 3463
genetics 2266
genotypes 4816
growth rate 1925, 2182, 3908
leaf area 985, 4419
leaves 4419
ligases 2266
morphology 985
photosynthesis 1188, 4419
physiology 985
plant growth regulators 2266, 3181, 3183
plant height 985
polymorphism 4816
proteins 1179
protoplasts 3181, 3183
raffinose 4764
respiration 4419
roots 3908
shoots 4419
starch 1747
tillering 985, 1925
transpiration 4419
water relations 4419
cereals, occurrence 1813
control 3746
biological control 1188
chemical control 54, 269, 424, 736, 859, 985, 1188, 1565, 1577, 1655, 1813, 1993, 2087, 2182, 2383, 2416, 2770, 2810, 3188, 3700, 4162, 4166, 4610, 4969, 4974
cultural control 269, 1188-1189, 1813, 2416, 3465
integrated control 1188, 1813
physical control 269, 1188, 2416, 4166, 4170
ecology
biotypes 985, 1813, 4969
carbon dioxide enrichment 4419
emergence 3465
fertilizers 3465
light 985, 4419
nutrient availability 2182
plant competition 2182, 4816
spread 2182
vernalization 4816
water relations 2182
flax, Canada 2087
herbicides
acetyl-CoA carboxylase 2367
adjuvants 859, 3188
antagonism 859, 1577, 2367
apical dominance 1925
application date 1577, 3741, 4610
application methods 3741
application rates 54, 424, 859, 4955
binding sites 1147
bioassays 3552
carboxy-lyases 4955
β-carotene 2367
carotenoids 2367
chloroplasts 1151
composition 2367
contact angle 3229
cross resistance 54, 985, 1806
cysteine 4560
damage 1925
degradation 4560
deposition 4971
droplet size 3229
droplet studies 3229
economics 2182

Avena fatua *cont.*
herbicides *cont.*
enzymes 1147, 1151, 2367, 4560, 4955
genetics 4955
glutathione 4560
growth rate 54, 424, 1925, 2770
histology 1151
internodes 1151
leaves 1151, 4971
light 4971
mode of action 1813
morphology 424
nutrient availability 2770
photosynthesis 2367
plant growth regulators 2367, 2770
population density 2416
resistance 54, 985, 1598, 1806, 1813, 3741, 4560, 4955, 4969
safeners 4560
selectivity 3741
soil water 4971
starch 1151
surfactants 3229
temperature 4971
tillering 2770
tillers 1925
transferases 4560
translocation 1151, 1925, 3188
uptake 424, 1925, 2770, 3188, 3229
water stress 2367
waxes 2770
zeaxanthin 2367
oats
canopy 2658
growth rate 2658
hybridization 3197
leaf area 2658
plant competition 2658
population density 2658
sowing methods 2658
tillers 2658
USA 2658
rape
Canada 4974
France 4816
seeds
composition 1747, 4764
embryos 1332, 1336, 1506, 1747, 2266
endosperm 1332, 1506
imbibition 445, 1336, 1506, 2266, 3463
light 3465
moisture 2
plant growth regulators 898, 1332, 1334, 1506, 1747
polypeptides 1336
proteins 1336
seed banks 898, 1813
seed dispersal 1813
seed dormancy 2, 445-446, 1331-1332, 1336, 1747, 2266, 3463, 4764
seed germination 2, 445-446, 898, 1331-1332, 1334, 1747, 2182, 2266, 3463, 3465
seed production 1813, 2182
seed size 3465
soil depth 898
stimulants 898, 3463
temperature 2, 1331-1332, 1506
testas 3463
viability 898
sugarbeet
chemical control 1655
plant competition 3054
plant height 3054
population density 3054
sucrose 3054
USA 3054
yields 3054
utilization, fodder crops 1179
weed control, population density 2416
wheat
Canada 1993, 4170
France 4816
growth stages 1781
light 944
New Zealand 4162
plant competition 944, 3908

Avena fatua *cont.*
wheat *cont.*
plant succession 1781
population density 944
population dynamics 1781
temperature 944
UK 944, 2383
yields 944
Avena ludoviciana (*see Avena sterilis* subsp. *ludoviciana)*
Avena sativa (*see* Oats)
Avena sterilis
barley
hosts of plant diseases 3986
surveys 3954
biology
agronomic characteristics 1345
genetic variation 3916
genotypes 3916
growth rate 3916
roots 3916
cereals, surveys 974
chickpeas, surveys 3954
control
chemical control 4164, 4210
cultural control 4164
integrated control 4164
ecology
drought 3916
soil types 3954
surveys 3954
faba beans
Morocco 4210
surveys 3954
herbicides, population density 4210
hosts, viruses 3986
lentils, surveys 3954
maize, surveys 3954
seeds
seed dormancy 891, 3464
seed germination 891, 3464
storage 3464
wheat
application date 4164
chemical control 3464, 4164
economics 4164
Italy 3464
population density 4164
surveys 3954
Avena sterilis* subsp. *ludoviciana
control 3746
chemical control 735, 3263
cultural control 2664
ecology, biotypes 1145
herbicides
acetyl-CoA carboxylase 1145
degradation 1145
enzymes 1145
membrane potential 1145
resistance 1145
translocation 1145
uptake 1145
rice
allelopathy 2664
growth rate 2664
seed germination 2664
AVG 646, 2996
Avocado pears (*see* Avocados)
Avocados (*Persea americana*)
herbicides
enzymes 1945
fatty-acid synthase 1945
mode of action 1945
South Africa 782
weed control
economics 782
labour requirements 782
Axonopus compressus, control, chemical control 1227
Azadirachta indica
Dendrophthoe falcata
calcium 2922
composition 2922
diurnal variation 2922
gas exchange 2922
host parasite relationships 837, 2922
India 837, 2922
magnesium 2922
nitrogen 2922
phosphorus 2922
photosynthesis 2922

Azadirachta indica *cont.*
Dendrophthoe falcata cont.
potassium 2922
stomata 2922
stomatal movement 2922
surveys 837
transpiration 2922
water relations 2922
Viscum orientale
host parasite relationships 837
India 837
surveys 837
Azaleas (*see Rhododendron*)
Azimsulfuron 5046
Aziprotryne
analytical methods
fluorescence 1034
thin layer chromatography 1034
control, weeds, asparagus 772
damage, asparagus 772
selectivity, asparagus 772
tolerance, *Valeriana officinalis* 4250
Azolla
biology
anatomy 1365
identification 1365
taxonomy 1365
ecology, distribution 1365
utilization
feeds 3434
green manures 3292
Azolla filiculoides
ecology
habitats 1299
nutrient availability 1299
water quality 1299
weed associations 1299
Azolla pinnata
biology
cytology 1713
pollen 1713
taxonomy 1713
ecology, distribution 1713
utilization, feeds 1293
B1-58 2802
Baccharis coridifolia
ecology
mycorrhizas 3416
symbiosis 3416
seeds, seed germination 3416
toxicity
cattle 3416
horses 3413
wild animals 3416
Bacteria
control
Abutilon theophrasti 1023
Acroptilon repens 566
Agrostis stolonifera 3547
Arabidopsis thaliana 3923
Bromus tectorum 1024
Centaurea diffusa 566
Centaurea maculosa 566
Epilobium angustifolium 4224
Euphorbia esula 108, 566, 3408
Lotus corniculatus 4224
Poa annua 3547
Potentilla pacifica 4224
radishes, as weeds 107
Spergula arvensis 4224
weeds 2715, 3192
lawns and turf 1160
Vaccinium macrocarpon 4224
Balanophoraceae
biology
flowering 3858
fruiting 3858
identification 3858
ecology
distribution 3858
habitats 3858
host parasite relationships 3858
Ballota nigra
biology, pollen 4599
ecology
habitats 2669
nickel 4599
utilization, indicator plants 4599
Balsam fir (*see Abies balsamea*)
Bamboos
as weeds
control
cultural control 432
physical control 432
Bambusa (*see also* Bamboos)
Bananas (*Musa paradisiaca*)
herbicides
application date 4228
application methods 4227
application rates 2406
damage 4228
economics 4227-4228
residual effects 4228
Mexico 3541
Nigeria 249
weed control
economics 249, 4227
research 4227
yields 249
weeds
hosts of plant pests 3541
physical control 249
Bangladesh
chickpeas 763
herbicides
surveys 2804
usage 2804
onions 3930
rice 293
Vigna radiata
Cynodon dactylon 4367
Cyperus rotundus 4367
weeds
algae 3008
aquatic weeds 3008
rice 34
utilization 3008
wheat 34
Banksia, ecology, invasion 5138
Baptisia tinctoria
biology, phenolic compounds 899
seeds
composition 899
imbibition 899
inhibitors 899
scarification 899
seed dormancy 899
seed germination 899
seed size 899
testas 899
Barban
cytology, oats 217
microtubules, oats 217
mitosis, oats 217
mode of action, oats 217
Barbarea vulgaris
herbicides
fluorescence 4964
photosystem II 4964
temperature 4964
Barleria prionitis
biology
identification 5142
taxonomy 5142
control 5142
ecology, distribution 5142
Barley (*Hordeum vulgare*)
Aethusa cynapium
Germany 726
plant competition 726
population density 726
yields 726
algae
allelopathy 2150, 2576
growth rate 2576
Alopecurus myosuroides, UK 280
Amaranthus blitoides
allelopathy 2220
growth rate 2220
Jordan 2220
seed germination 2220
yields 2220
Amaranthus gracilis
allelopathy 2220
growth rate 2220
Jordan 2220
seed germination 2220
yields 2220
Amaranthus retroflexus
allelopathy 2220
Barley *cont.*
Amaranthus retroflexus cont.
growth rate 2220
Jordan 2220
seed germination 2220
yields 2220
Anagallis arvensis subsp. *foemina,* surveys 3954
Anchusa azurea, surveys 3954
Antirrhinum majus, surveys 3954
Apera spica-venti, Germany 3262
as weeds
control
chemical control 4974
cultural control 47, 322, 2200, 3773, 4794
physical control 47
ecology, seasonal variation 2243
fallow, population dynamics 2243
flax
bolls 3934
emergence 3934
flowering 3934
growth stages 3934
plant competition 3934
plant height 3934
population density 3934
stems 3934
UK 3934
yields 3934
peas, Canada 322
rape, Canada 4974
seeds
seed dormancy 435
seed germination 435
sunflowers
allelopathy 2340
seed germination 2340
wheat
morphology 2200
plant competition 2200, 4794
seed dormancy 435
variety trials 2200
yields 2200, 4794
Avena, UK 280
Avena barbata, hosts of plant diseases 3986
Avena fatua
Canada 39, 54, 1189
emergence 39
France 4816
light 1188
nutrient availability 39
plant competition 39, 1188-1189
UK 2383
water relations 39
yields 39
Avena sterilis
hosts of plant diseases 3986
surveys 3954
Bupleurum rotundifolium, seed germination 2158
Calendula arvensis, plant competition 41
Canada 1960, 2416, 2454, 2821, 3303, 5015
Centaurea cyanus
nutrient content 38
plant competition 38
quality 38
yields 38
Centaurea diluta, plant competition 41
Chamomilla recutita
fertilizers 480
plant competition 480
yields 480
Chenopodium album
population density 494
surveys 494
China 4173-4174, 4618
Cirsium arvense
Canada 47, 1595
Poland 2212
population density 47
yields 2212
Conringia orientalis, seed germination 2158
Consolida regalis, seed germination 2158
Convolvulus althaeoides, surveys 3954
Convolvulus arvensis, surveys 3954
cyanobacteria, allelopathy 2150
Cynodon dactylon, surveys 3954

Barley *cont.*
Denmark 972, 3765-3766
Echinochloa crus-galli
plant competition 2824
yields 2824
Elymus repens
allelopathy 4378
Canada 47
Germany 2420
growth rate 4378
population density 47, 494
roots 4378
surveys 494
endives, as weeds, surveys 3954
Erysimum cheiranthoides
population density 494
surveys 494
Euphorbia dentata, occurrence 1803
Finland 494, 733, 1486
Fumaria
population density 3953
seed banks 3953
surveys 3953
Fumaria officinalis
population density 494
surveys 494
Galeopsis
population density 494
surveys 494
Galium aparine, Germany 3262
Germany 476-477, 480-481, 956, 1185, 2158, 2421
herbicides
acetyl-CoA carboxylase 1947
adjuvants 1960, 2383, 2810
α-amylase 1546
antagonism 1960
application date 1998, 2813, 4095
application methods 4621
application rates 144, 264, 329, 733, 937, 1980, 1998, 2383, 2813, 3741, 4313, 4621
bioassays 1546, 1960
carotenoids 4561
chlorophyll 4561
cysteine 4560
damage 329, 2383, 2414
degradation 199, 4560
economics 4313
enzyme inhibitors 4561
enzymes 676, 1546, 1939, 1947, 2793, 4560-4561, 4571
erosion 329
fatty acids 1947-1948
glutathione 4560
growth rate 273, 1932, 2383, 3761, 3764
light 1932, 1960
lipids 1948
lodging 2383
metabolism 676
mode of action 1546, 1939, 4561
oxygen 1546
phytoene 4561
plant communities 267
plant diseases 3761
plant height 1932
protein synthesis 1546
proteins 737
protoporphyrin 1939, 2793
quality 737, 3766
residual effects 3764
residues 144, 1998, 4513
roots 4095
safeners 280, 3262, 4560
selectivity 3741
species diversity 494
susceptibility 1939
temperature 1932
tillering 273
tillers 2383
tolerance 280, 1932, 3741, 4560
transferases 4560
transpiration 4095
uptake 4095
variety trials 273, 1320
water stress 1932
yields 280, 733, 737, 1595, 1998, 2383, 2810, 2821, 3755, 3761, 3765-3766, 5027
Italy 4138

Barley *cont.*
Kickxia spuria, seed germination 2158
Kochia scoparia, USA 2685
Lamium purpureum
plant competition 480
yields 480
Lapsana communis
population density 494
surveys 494
Lolium perenne
fertilizers 481
plant competition 481
population density 481
yields 481
Lolium rigidum, surveys 3954
Matricaria
fertilizers 481
plant competition 481
population density 481
yields 481
Morocco 41
Myosotis arvensis
plant competition 480
yields 480
Orobanche crenata
host parasite relationships 2975
seed banks 761
Syria 2975
Panicum capillare
plant competition 2824
yields 2824
Papaver argemone, seed germination 2158
Papaver rhoeas
nutrient content 38
plant competition 38, 41
quality 38
yields 38
Phalaris brachystachys, surveys 3954
Poa annua
fertilizers 481
plant competition 481
population density 481
yields 481
Poaceae, UK 280
Poland 560, 2810, 4609, 4615, 4621, 5027, 5031
Polygonum aviculare
population density 3953
seed banks 3953
surveys 3953
Polygonum lapathifolium
Canada 44
plant competition 44
population density 44
yields 44
rape
as weeds
Canada 1189
plant competition 1189
Romania 3803
Russia 1998, 3761, 3793
Scorpiurus muricatus, surveys 3954
Senecio vulgaris
nutrient content 38
plant competition 38
quality 38
yields 38
Setaria viridis
Canada 44
plant competition 44
population density 44
yields 44
Sinapis arvensis
biological control 3763
Canada 1189
chemical control 3763
control 3763
growth rate 3763
Lithuania 3763
plant competition 1189
surveys 3954
yields 3763
Slovenia 3764
Sonchus
population density 3953
seed banks 3953
surveys 3953
Sonchus arvensis
Canada 47
population density 47

Barley *cont.*
Spergula arvensis
population density 494
surveys 494
Stellaria media
Canada 2257
fertilizers 481
plant competition 481
population density 481, 494
surveys 494
yields 481
Sweden 209, 1929
Trifolium repens
fertilizers 481
plant competition 481
population density 481
yields 481
UK 264, 267, 273, 329, 3953, 4313
Ukraine 1994
USA 2824
Vaccaria hispanica
plant competition 41
surveys 3954
Veronica hederifolia
fertilizers 480
plant competition 480
yields 480
Viola arvensis
chemical control 4131
plant competition 480
population density 494, 3953
seed banks 3953
surveys 494, 3953
yields 480
weed control
application date 3761
damage 3761
economics 3262
growth rate 273, 3761
plant diseases 3761
tillering 273, 3262
variety trials 273
yields 1189, 2821, 3262, 3761, 5027
weeds
chemical control 267, 1980, 2813, 3755-3756, 3761, 3767, 4173-4174, 4313
cropping systems 956
cultural control 3756
development 2216
distribution 267, 2216
fertilizers 956
growth rate 273, 477, 3765
hosts of plant pests 560
integrated control 3756, 3767
light 477
phenology 2216
physical control 3756, 3767
plant communities 2216
plant competition 273, 476-477, 937, 956, 1994, 3765, 4313
plant density 3765
plant height 477
population density 47, 476, 956, 972, 3953
population dynamics 4313
reproduction 4313
seasonal variation 2242
seed banks 3953
soil types 476, 494
soil water 494
species diversity 47, 267, 2216
surveys 494, 956, 3953
tillering 273
variety trials 477, 3765
yields 476, 3765
wheat
as weeds
Japan 2424
quality 2424
yields 2424
BAS 13-338 1547
Basamid (*see* Dazomet)
Basil (*see Ocimum basilicum*)
Bauhinia reticulata
Burkina Faso 801
weed control
damage 801
regenerative ability 801
Beaches
Anabasis articulata, Israel 3949

Beaches *cont.*
Suaeda fruticosa, Israel 3949
Beans, herbicides, residues 4513
Beans (*Phaseolus*) (*see Phaseolus*)
Beckmannia syzigachne
biology
meristems 2585
mesocotyls 2585
control, chemical control 2585
herbicides, susceptibility 2585
seeds, soil depth 2585
Beech (*see Fagus*)
Beetroots (*Beta vulgaris*)
as weeds
biology, composition 2403
utilization, nematicidal plants 2403
herbicides
application date 769
application methods 769
application rates 769
economics 4604
mode of action 769
yields 3801, 4604
India 4604
Italy 3823
Russia 3723
weed control
economics 4604
soil flora 3723
yields 4604
weeds
chemical control 2410, 3801
control 3823
Beets (*see* Beetroots; Fodder beet; Sugarbeet)
Begonia cucullata
herbicides
application rates 1240
damage 1240
surfactants 1240
tolerance 1240
Belarus
flax 3835
lucerne 2461
potatoes 2461
rye 738
soyabeans 2461
tomatoes 2461
Belgium
cereals 5017
Elymus repens 1158
herbicides
reports 1320
value added tax 1175
lettuces 3335
Lolium rigidum 1158
maize 232
peas 5017
rape 3687
as weeds 1158
sugarbeet
Aethusa cynapium 330
Galium aparine 330
Trifolium 5017
Valerianella locusta 2864
weed control
conferences 429
reports 862, 1320
sugarbeet 5102
weeds, reports 1320
wheat 232, 1078, 4084-4085
Benazolin
analytical methods
extraction 3564, 4017
gas chromatography 3557, 3564
HPLC 3557, 3564
liquid chromatography 3564, 4017
mass spectrometry 3564, 4017
thin layer chromatography 3557
application date, rape 2872
application rates, rape 2872
chemistry, chemical properties 3632
control
cereals, as weeds, rape 2498
Galium aparine, rape 2498
Papaver, rape 2498
Poaceae, rape 2498
Sinapis arvensis, rape 2498
Stellaria media, rape 2498
weeds
barley 4615

Benazolin *cont.*
control *cont.*
weeds *cont.*
rape 2498, 2872
Trifolium 4615
wheat 4615
interactions, herbicides 4615
legislation, European Communities 3557
properties, physical properties 3632
residues
aquifers 3632
river water 4017
soil 3632, 3637
soil water 3637
water 3557, 3564
soil
leaching 3637
movement 3632, 3637
persistence 3637
soil types 3637
soil water 3637
sorption 3632
yields, rape 2872
Benfluralin
application rates
Cynodon transvaalensis × *C. dactylon* 3377
Festuca 3378
Festuca arundinacea 3377
Lolium perenne 3378
Poa pratensis 3378
chemistry, structure activity relationships 3967
composition, groundnuts 1535
control
Digitaria ischaemum
Festuca 3378
Lolium perenne 3378
Poa pratensis 3378
Poa annua, lawns and turf 2521
weeds
aubergines 3332
Capsicum 3332
lucerne 5063
onions 3332
tomatoes 3332
cross resistance, *Alopecurus myosuroides* 3967
damage, lawns and turf 1242
degradation, *Alopecurus myosuroides* 3967
fatty acids, groundnuts 1535
growth rate
Cynodon transvaalensis × *C. dactylon* 3377
Festuca arundinacea 3377
interactions
fungicides 1535
herbicides 1535
legislation, UK 2521
magnesium, groundnuts 1535
nutrient content, groundnuts 1535
population density
Cynodon transvaalensis × *C. dactylon* 3377
Festuca arundinacea 3377
quality, groundnuts 1535, 1647
registration, UK 2521
residues, soil 1082
resistance, *Alopecurus myosuroides* 3967
shoots
Cynodon transvaalensis × *C. dactylon* 3377
Festuca arundinacea 3377
soil
leaching 1082
persistence 1082
photolysis 1082
sorption 1082
volatilization 1082
toxicity
allergens 2738
man 2738
variety trials, groundnuts 1647
yields
aubergines 3332
Capsicum 3332
groundnuts 1647
onions 3332
tomatoes 3332
zinc, groundnuts 1535

Benfuresate
application, safety 4484
chemistry, new products 3299
control
Cyperus rotundus
cotton 2515
maize 2427
weeds
maize 2427
rice 3299
damage, maize 2427
environmental impact, cotton 2515
properties 2515
residues, crops 4484
selectivity, cotton 2515
toxicity
laboratory animals 4484
mammals 4484
man 4484
public health 4484
Bengal gram (*see* Chickpeas)
Benin
Mucuna pruriens 251
sorghum, *Striga hermonthica* 2831
Striga 3421
Striga hermonthica 2994
weed control
biological control 4307
Eichhornia crassipes 4307
weeds
Eichhornia crassipes 4307
seeds 437
Striga gesnerioides 5161
Benniseed (*see* Sesame)
Bensulfuron
acetyl-CoA carboxylase
maize 2389
soyabeans 2389
amino acids
carrots 1140
rice 3230
anatomy, rice 2446
application date, rice 3789
application rates, rice 3789, 5046
bioassays, vegetables 2405
buds, *Eleocharis kuroguwai* 1522, 1927
carbohydrates
Eleocharis kuroguwai 1522, 2783
Sagittaria trifolia 2834
cell division, rice 3230
cell suspensions, carrots 1140
chemistry, new products 3299
control
aquatic weeds, rice 4192
cyanobacteria, rice 2016
Cyperus serotinus, rice 5046
Eleocharis kuroguwai 1522
rice 5046
Heteranthera reniformis, rice 2436
Monochoria vaginalis, rice 5046
Rotala indica, rice 5046
Sagittaria trifolia, rice 2834
Scirpus, rice 3789
weeds, rice 753, 2405, 2446, 2448, 2839, 3298-3299, 3789
damage
Capsicum 2839
cucumbers 2839
maize 2389
melons 2839
rice 5046
soyabeans 2389
tomatoes 2839
vegetables 2405
degradation
carrots 1140
Cyperus serotinus 1512
rice 1512, 3230, 5046
emergence, *Eleocharis kuroguwai* 1522
enzymes
carrots 1140
maize 2389
rice 3230
soyabeans 2389
formulations
granules 2448
suspensions 2448
growth rate
Capsicum 2839
cucumbers 2839
Eleocharis kuroguwai 1522, 2783

Bensulfuron *cont.*
growth rate *cont.*
melons 2839
rice 3230, 3298
Sagittaria trifolia 2834
tomatoes 2839
interactions
herbicides 2446, 3230, 5046
safeners 2389, 3230
surfactants 3789
lodging, rice 3298
mode of action
Cyperus serotinus 1512
rice 1512
morphology
Capsicum 2839
cucumbers 2839
melons 2839
tomatoes 2839
photosynthesis, *Eleocharis kuroguwai* 2783
population density, *Scirpus* 3789
regrowth, *Eleocharis kuroguwai* 1927
residual effects
Capsicum 2839
cucumbers 2839
melons 2839
tomatoes 2839
vegetables 2405
residues
irrigation water 2405
soil 2839
water 2405
respiration, *Eleocharis kuroguwai* 2783
safeners
maize 2389
rice 3230
soyabeans 2389
selectivity
Cyperus serotinus 1512
rice 1512, 2446
soil, leaching 5046
soil depth, *Eleocharis kuroguwai* 1522
sprouting, *Eleocharis kuroguwai* 1522, 1927
stems, rice 3298
surfactants, rice 3789
temperature, rice 5046
tolerance
carrots 1140
rice 1512
translocation
Cyperus serotinus 1512
rice 1512, 3230
tubers
Eleocharis kuroguwai 1522, 2783
Sagittaria trifolia 2834
uptake
carrots 1140
Cyperus serotinus 1512
rice 1512, 3230
yields, rice 3298
Bensulide
application date, *Agrostis stolonifera* 2094
application rates
Agrostis stolonifera 2094
Festuca 3378
Lolium perenne 3378
Poa pratensis 3378
control
Digitaria ischaemum
Festuca 3378
Lolium perenne 3378
Poa pratensis 3378
Poa annua, lawns and turf 2521
damage
Agrostis stolonifera 2094
lawns and turf 1242
legislation, UK 2521
quality, *Agrostis stolonifera* 2094
registration, UK 2521
residues, soil 1082
soil
leaching 1082
persistence 1082
photolysis 1082
sorption 1082
volatilization 1082
Bentazone
adjuvants
Abutilon theophrasti 1922, 2775
faba beans 4125
maize 4125, 4625
peas 4125
Phaseolus vulgaris 4646, 5071
potatoes 4125
rape 4125
soyabeans 2469, 3794, 4643
sugarbeet 4125
Xanthium strumarium 2775
analytical methods
extraction 4017
liquid chromatography 121, 1036, 4017
mass spectrometry 4017
antagonism
Avena fatua 859
maize 4625
application
application methods 3553
environmental impact 3553
application date
groundnuts 324, 1648
maize 744
Oxalis pes-caprae 4171
peas 3318
sorghum 4182
soyabeans 3827, 4643
triticale 4177
application rates
Agrostis stolonifera var. *palustris* 4700
faba beans 4125
Lavandula angustifolia 1247
Lolium perenne 4700
maize 744, 3265, 4125
Origanum vulgare 1247
Oxalis pes-caprae 4171
peas 4125
Poa pratensis 4700
potatoes 4125
rape 4125
rosemary 1247
sage 1247
soyabeans 1626, 3265, 3794
sugarbeet 4125
wheat 3265
bulbs, *Oxalis pes-caprae* 4171
chemistry, chemical properties 3553
chlorophyll
Abutilon theophrasti 4118
Phaseolus vulgaris 4646
circadian rhythm, *Abutilon theophrasti* 4118
climate, cereals 3651
composition, wheat 2818
control
Abutilon theophrasti
maize 4382
soyabeans 3794, 4382, 4643
Acanthospermum hispidum, groundnuts 2503
Ageratum conyzoides
cowpeas 1212
groundnuts 1212
Phaseolus vulgaris 1212
soyabeans 1212
Amaranthus, soyabeans 3794
Amaranthus palmeri, groundnuts 325
Amaranthus retroflexus
maize 2826
Phaseolus vulgaris 5071
sorghum 4182
Amaranthus spinosus, groundnuts 324
Ambrosia artemisiifolia
groundnuts 2880
soyabeans 2469
Ambrosia trifida, soyabeans 2655
Anoda cristata, groundnuts 2880
aquatic weeds, rice 4192
Avena fatua 859
Cassia occidentalis, groundnuts 2503
Chenopodium album
Bromus inermis 2456
Chenopodium quinoa 295
groundnuts 1648, 2880
sorghum 4182
soyabeans 2807, 3794
wheat 3261
Bentazone *cont.*
control *cont.*
Cynodon dactylon
cowpeas 1212
groundnuts 1212
Phaseolus vulgaris 1212
soyabeans 1212
Cyperus esculentus
Agrostis stolonifera var. *palustris* 4700
groundnuts 2503
Lolium perenne 4700
Poa pratensis 4700
Cyperus rotundus 2604
groundnuts 2503
maize 2426
Datura stramonium, groundnuts 2503
Desmodium tortuosum, groundnuts 2503
Digitaria sanguinalis, maize 2426, 4625
Echinochloa crus-galli
maize 2426, 2826
sorghum 4182
Eclipta prostrata, groundnuts 1648
Eriochloa villosa, maize 4625
Heteranthera reniformis, rice 2436
Hymenachne amplexicaulis, rice 1198
Ipomoea, groundnuts 1648
Ipomoea lacunosa, groundnuts 2880
Jacquemontia tamnifolia, groundnuts 2503
Mimosa pudica
cowpeas 1212
groundnuts 1212
Phaseolus vulgaris 1212
soyabeans 1212
Oxalis pes-caprae
fallow 4171
wheat 4171
Panicum miliaceum, maize 4625
Panicum texanum, groundnuts 325
Pharbitis hederacea, groundnuts 2880
Poaceae, wheat 1592
Polygonum aviculare, wheat 3261
Polygonum hydropiper, pastures 4197
Polygonum persicaria, pastures 4197
Portulaca oleracea, maize 2426
Ranunculus acris 861
rape, as weeds, wheat 1592
Setaria barbata
cowpeas 1212
groundnuts 1212
Phaseolus vulgaris 1212
soyabeans 1212
Setaria faberi, maize 4625
Setaria viridis, Phaseolus vulgaris 310
Sida spinosa, groundnuts 1648, 2503, 2880
Sinapis arvensis, wheat 3261
Solanum nigrum, sorghum 4182
Solanum ptycanthum, Phaseolus vulgaris 5071
Sorghum halepense, wheat 3261
Stellaria media
barley 2257
wheat 2257
Striga gesnerioides
maize 4279
sorghum 4279
Striga hermonthica
maize 4279
sorghum 4279
weeds
barley 4615
Chenopodium quinoa 295
cowpeas 1212
faba beans 4125
fenugreek 2526
groundnuts 1212, 3354
maize 744, 2428, 2826, 3265, 3771, 4125
peas 3318, 4125
Phaseolus 2860
Phaseolus vulgaris 310, 1212, 5071
pigeon peas 765, 2042
potatoes 4125
rape 4125
rice 1198, 1470, 2839, 3298

Bentazone *cont.*
control *cont.*
weeds *cont.*
soyabeans 1212, 1626, 2807, 3265, 3313, 3794, 3827
sugarbeet 4125
Trifolium repens 1623
triticale 4177
Vigna radiata 765
wheat 1592, 2818, 3261, 3265, 4615
Zantedeschia albomaculata 4249
Xanthium strumarium, groundnuts 2503
cross resistance
Abutilon theophrasti 1810
Ranunculus acris 861
damage
Agrostis stolonifera var. *palustris* 4700
Capsicum 2839
Chenopodium quinoa 295
cowpeas 1212
cucumbers 2839
groundnuts 1212, 2502-2503
Lavandula angustifolia 1247
Lolium perenne 4700
maize 2356, 4625
melons 2839
Origanum vulgare 1247
Phaseolus 2860
Phaseolus vulgaris 310, 1212, 4646
Poa pratensis 4700
potatoes 1217
rosemary 1247
sage 1247
sorghum 4182
soyabeans 1212, 1626, 2469, 4950
tomatoes 2839
Trifolium repens 1623
triticale 4177
vegetables 2860
degradation
soyabeans 2346
Vigna radiata 4550
development, *Abutilon theophrasti* 1922
economics
groundnuts 2880
Phaseolus vulgaris 310
soyabeans 2655
emergence, *Xanthium strumarium* 2351
energy relations
maize 3265
soyabeans 3265
wheat 3265
enzymes, soyabeans 2346
formulations 121
fruits, *Xanthium strumarium* 1126
genetics, maize 2356
growth, *Mikania micrantha* 3684
growth rate
Capsicum 2839
cucumbers 2839
Lavandula angustifolia 1247
melons 2839
Origanum vulgare 1247
Phaseolus vulgaris 4646
rosemary 1247
sage 1247
soyabeans 4950
tomatoes 2839
Xanthium strumarium 208
interactions
adjuvants 1922, 2469, 3794, 4125, 4625, 4643, 4646
fertilizers 3801, 4625, 4643
herbicides 859, 2469, 2503, 2818, 2860, 3313, 3794, 3827, 4177, 4615, 4625, 4643, 4646, 5071
safeners 4646
surfactants 4625, 4643
leaf age
Abutilon theophrasti 2775
Xanthium strumarium 2775
leaves, triticale 4177
light, *Abutilon theophrasti* 4118
membrane permeability, *Chenopodium album* 1517
membrane potential
oats 195
wheat 195

Bentazone *cont.*
metabolism 3553
mode of action 3553
oats 195
Striga gesnerioides 4279
Striga hermonthica 4279
wheat 195
morphology
Capsicum 2839
cucumbers 2839
melons 2839
tomatoes 2839
Xanthium strumarium 1126
nutrient content, wheat 3261
photosynthesis
Abutilon theophrasti 4118
Striga gesnerioides 4279
Striga hermonthica 4279
photosystem II
Striga gesnerioides 4279
Striga hermonthica 4279
pigments, potatoes 1217
plant height, soyabeans 4950
plant pests
cotton 1234
Ricinus communis 1234
soyabeans 2764
plasma membranes, *Chenopodium album* 1517
population density, *Oxalis pes-caprae* 4171
properties, physical properties 3553
proteins, wheat 2818
quality
Agrostis stolonifera var. *palustris* 4700
Lolium perenne 4700
Poa pratensis 4700
residual effects 3553
Capsicum 2839
cucumbers 2839
melons 2839
tomatoes 2839
vegetables 2860
residues
canals 1470
crops 3553
drinking water 3553
foods 2731
groundwater 3553, 4042
river water 4017, 4916
soil 2764, 2839, 3609, 3651
soil water 3651
streams 1470
surface water 1470
water 2731, 4916
resistance
Abutilon theophrasti 1810
Ranunculus acris 861
Sorghum halepense 3261
roots, *Oxalis pes-caprae* 4171
safeners, *Phaseolus vulgaris* 4646
seed germination
Mikania micrantha 3684
Striga gesnerioides 4279
Striga hermonthica 4279
Xanthium strumarium 2351
seed longevity, *Xanthium strumarium* 2351
seed production, *Xanthium strumarium* 1126
seed size, *Xanthium strumarium* 1126
seed weight, soyabeans 1626
soil
climate 3651
degradation 3553, 3609
leaching 3553, 3651
microbial degradation 3609
mineralization 3609
Nematoda 2764
organic matter 3609
persistence 3553
photolysis 3609
sorption 3609
stomata, *Abutilon theophrasti* 1922
stomatal resistance, soyabeans 4950
surfactants
maize 4625
soyabeans 4643
susceptibility 3553
maize 2356

Bentazone *cont.*
tissue culture, soyabeans 2346
tolerance 3553
groundnuts 2503
maize 2356
Phaseolus vulgaris 4646
toxicity
bacteria 3146
hamsters 4042
livestock 3553
mammals 3553
mutagens 3146
sheep 4047, 4900
tubers, *Zantedeschia albomaculata* 4249
uptake
Abutilon theophrasti 1922, 2775, 4118
cereals 3651
Chenopodium album 1517
Xanthium strumarium 2775
variety trials, maize 2356
viability, *Xanthium strumarium* 2351
water
degradation 4017
humus 4916
pH 4916
photolysis 4916
water relations, *Abutilon theophrasti* 4118
water stress
Abutilon theophrasti 2775, 4118
Xanthium strumarium 2775
waxes
Abutilon theophrasti 2775
Xanthium strumarium 2775
yield components, soyabeans 1626, 4950
yields
Bromus inermis 2456
cowpeas 1212
fenugreek 2526
groundnuts 324-325, 1212, 1648, 2503, 2880, 3354
maize 744, 3265, 4625
Phaseolus vulgaris 310, 1212, 4646
pigeon peas 765, 2042
rice 3298
soyabeans 1212, 1626, 2469, 3265, 4643
triticale 4177
Vigna radiata 765
wheat 3261, 3265
Zantedeschia albomaculata 4249
Benzoate, sodium 2-chloro-6-(4,5-dimethoxypyrimidin-2-ylthio)- 233, 426, 1644, 2776, 4584, 4688
Benzoic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2*H*)-pyrimidinyl]- 2793
Benzoic acid, 2-(4,6-dimethoxypyrimidine-2-yloxy)- 4570
Benzoxazin-3(4*H*)-one, (6-[(3Z)-6,7-dihydro-6,6-dimethyl-3*H*,5*H*-pyrrolo[2,1-c][1,2,4]thiadiazol-3-ylideneamino]-7-fluoro-4-(2-propynyl)-2*H*-1,4- 2363
Benzyladenine 408, 647, 1111, 1755, 1757, 2599, 4407, 4942, 5171
Berberis thunbergii
biology
pollen 2104
pollination 2104
Bermuda grass (*see Cynodon dactylon)*
Beta vulgaris (*see* Beetroots; Fodder beet)
Beta vulgaris* var. *saccharifera (*see* Sugarbeet)
Betula
control
chemical control 3839
physical control 3839
ecology
browsing 4817
population dynamics 4817
forests, Norway 4817
Picea abies
invasion 3839
Norway 3839
plant competition 3839
Betula alleghaniensis
biology, growth rate 361
control
chemical control 800

Betula alleghaniensis *cont.*
control *cont.*
physical control 361
ecology
disturbed land 361
plant competition 361
regenerative ability 361
survival 361
forests, Canada 800
herbicides
application rates 800
birds 1906
environmental impact 1906
Rubus, Canada 1906
seeds, seed germination 361
Betula papyrifera
herbicides
birds 1906
environmental impact 1906
Rubus, Canada 1906
Betula pendula
Viscum album
host parasite relationships 2119
xylem 2119
Bhindi (*see* Okras)
Bhutan
Brassica 50
buckwheat 50
cereals 50
grasslands 50
maize 50
potatoes 50
rice 50
Bibliographies
weeds
Poland 5075
potatoes 5075
Bidens
biology, taxonomy 2691
ecology
plant communities 2621
weed associations 2621
Bidens bipinnata
herbicides
bioassays 4101
growth rate 4101
susceptibility 4101
Bidens frondosa
biology
chalcone 66
composition 66
glucosides 66
utilization, antibacterial plants 3248
Bidens gardneri, biology, flowering 1350
Bidens pilosa
biology
cell membranes 1827
circadian rhythm 2267
cotyledons 3978
cyanides 1827
cytology 1832, 1838
gene expression 2267, 3978
growth rate 1838, 3978, 4357
hypocotyls 3978
injuries 1838, 3978
ion transport 1838
leaves 4357
light 1832, 2267
membrane permeability 1827
membrane potential 1827
mitosis 1832
nutrient content 4357
pH 1832, 1838
photoperiodism 2267
potassium 1827
proteins 3978
ribosomes 2267
RNA 3978
roots 4357
sodium 1827
stems 4357
ecology
distribution 3911
light 1838
pH 4357
population density 3911
seeds, seed germination 2267
Bidens tripartita
control
chemical control 3055
cultural control 1406
Bidens tripartita *cont.*
ecology, population density 3055
maize, weed associations 2241
rice, population density 1406
seeds
buried seeds 3055
seed banks 3055
Bifenox
application date, cereals 263
application rates, cereals 263
control
Alopecurus myosuroides, cereals 263
Avena, cereals 263
Galium aparine, cereals 263
Lolium, cereals 263
weeds
cereals 263
Miscanthus sinensis 2099
damage, *Miscanthus sinensis* 2099
toxicity
bacteria 4886
mutagens 4886
Bifora testiculata, cereals, surveys 974
Bilanafos
ammonium
Picea glauca 4959
Pinus resinosa 4959
application date
Picea abies 4946
Picea glauca 4946, 4959
Picea mariana 4946
Pinus resinosa 4946, 4959
application rates
Picea abies 4946
Picea glauca 4946, 4959
Picea mariana 4946
Pinus resinosa 4946, 4959
chemistry, biosynthesis 4946, 4959
damage
Picea abies 4946
Picea glauca 4946
Picea mariana 4946
Pinus resinosa 4946
growth rate
Picea abies 4946
Picea glauca 4946
Picea mariana 4946
Pinus resinosa 4946
leaves
Picea abies 4946
Picea glauca 4946
Picea mariana 4946
Pinus resinosa 4946
photosynthesis
Picea glauca 4959
Pinus resinosa 4959
plant breeding
genetic transformation 1135
molecular genetics 1135
tolerance 1135
plant height
Picea abies 4946
Picea glauca 4946
Picea mariana 4946
Pinus resinosa 4946
tolerance
Malus prunifolia 1135
Picea abies 4946
Picea glauca 4946, 4959
Picea mariana 4946
Pinus resinosa 4946, 4959
waxes
Picea abies 4946
Picea glauca 4946
Picea mariana 4946
Pinus resinosa 4946
Bilberries (*see Vaccinium*)
Bilderdykia convolvulus (*see Fallopia convolvulus*)
Biocontrol (*see* Biological control)
Biological control
Abutilon theophrasti 1023, 2714, 3114
Acacia longifolia 4260
Acacia nilotica 3400
Acer macrophyllum 2898
Acroptilon 104
Acroptilon repens, rangelands 566
Aeschynomene virginica, rice 2018
Ageratum conyzoides, rice 1197
Agrostis stolonifera 3547
Biological control *cont.*
algae
aubergines 862
broccoli 862
cabbages 862
Capsicum 862
cauliflowers 862
chicory 862
cucumbers 862
culinary herbs 862
endives 862
leeks 862
lettuces 862
melons 862
rice 421
tomatoes 862
Valerianella locusta 862
Alnus rubra, forests 5111
Alternanthera philoxeroides, rice 1197
Amaranthus 3544
aquatic weeds 3290, 3879, 5192
canals 2151
wetlands 3543
Arabidopsis thaliana 3923
Asclepias syriaca 456
Astragalus mollissimus 3855
Avena fatua, barley 1188
Bromus tectorum 1024
Buddleja davidii 2900
Carduus acanthoides, rangelands 2455
Carduus nutans 1019, 4767
Carduus thoermeri 1021
rangelands 2455
Centaurea 104, 106
Centaurea diffusa, rangelands 566, 2455
Centaurea maculosa 1441
rangelands 566, 2455
Centaurea solstitialis 106, 1020, 3996
rangelands 2455
Chenopodium album 3544, 4850-4851
Chondrilla juncea 453
rangelands 2455
Chromolaena odorata 1018, 2713, 3111, 3952, 3999
Chrysanthemoides moniliferum 825
Cirsium arvense 455, 567, 1444, 2653, 3097, 4441, 5060
grasslands 1443
rangelands 2455
Cirsium vulgare 454
Convolvulus 3544
Convolvulus arvensis 2711
Cordia curassavica 3993
Crotalaria spectabilis 1022
Cryptostegia grandiflora 369
Cuscuta 843
forests 3892
soyabeans 2018
Cuscuta australis 399
Cuscuta chinensis 399
Cuscuta maritima 399
cyanobacteria, rice 421
Cyperaceae, rice 1854
Cytisus scoparius 819, 4254, 4708
Datura stramonium 1022, 3221
Echinochloa 4839
rice 3287
Echinochloa crus-galli 2714, 3114
rice 1197
Echinochloa oryzoides, rice 1015
Eichhornia crassipes 2567, 3880-3881, 3999, 4307, 5175
rice 1197
Eleocharis kuroguwai, rice 3287
Epilobium angustifolium 4224
Eupatorium trapezoideum 3455
Euphorbia esula 108, 377, 384, 828, 2544, 3405, 3408, 5148
rangelands 566, 2455
Euphorbia pekinensis 2544
Fimbristylis miliacea, rice 1197
Gutierrezia 2528
Hedyotis verticillata 1589
Heliotropium europaeum 1012, 4718
Hydrilla verticillata 1311, 5174
Hypericum perforatum 2116, 5151
rangelands 2455
Imperata cylindrica 3999
Lantana camara 1017, 1677, 4257, 4259, 4714
Launaea chevalieri 4852

Biological control *cont.*
Lemna paucicostata 3016, 3221
Linaria dalmatica 1442
rangelands 2455
Linaria vulgaris, rangelands 2455
Lotus corniculatus 4224
Lythrum salicaria 420
Medicago lupulina 4849
Melaleuca quinquenervia 368, 824, 4258
Mikania micrantha 2712, 3999
Mimosa invisa 5144
Mimosa pigra 105, 563
Monochoria vaginalis, rice 1197
Opuntia elatior 3993
Opuntia fragilis, grasslands 1392
Opuntia stricta 4439
Orobanche 2967, 2978, 2982, 3458
forests 3892
Orobanche aegyptiaca 2877
Orobanche cernua 5159
Orobanche cumana, sunflowers 2877
Orobanche mutelii, tobacco 2891
Orobanche ramosa 2877
tobacco 2891
parasitic weeds 2919
forests 3892
Parthenium hysterophorus 386, 834
Pistia stratiotes 3880
rice 1197
Poa annua 3547
Cynodon transvaalensis × *C. dactylon* 2091
Lolium perenne 2091
Poaceae 2278
rice 421, 1854
Polygonum aviculare
ditches 1853
lucerne 1853
sugarbeet 1853
Potamogeton pectinatus, irrigation channels 422
Potentilla pacifica 4224
Prosopis 367
Pteridium aquilinum 383, 3407
radishes, as weeds 107
Ranunculus acris 4442
Raphanus raphanistrum 3034
Reynoutria japonica 3885
Rottboellia cochinchinensis, rice 1197
Sagittaria, rice 3287
Salsola iberica, rangelands 2455
Salvia aethiopis, rangelands 2455
Salvinia aethiopis 845
Salvinia molesta 1017
rice 1197
Scirpus juncoides, rice 3287
Senecio jacobaea 382, 1266, 2534
rangelands 2455
Senecio lautus 4723
Senecio madagascariensis 4723
Senecio vulgaris 382, 829, 3544
Sesbania exaltata 565, 1022, 1445, 4440, 4443
Sesbania punicea 2710, 4260
Sida acuta 564, 3997-3998
Sida rhombifolia 564, 3997
Sida spinosa 3221
Sinapis arvensis, barley 3763
Solanum elaeagnifolium 3112-3113, 3410, 3540, 3995, 4722
Solanum mauritianum 3112-3113
Solanum nigrum 3221
Solanum ptycanthum 1022
Solanum sisymbriifolium 3112-3113, 3540
Sonchus arvensis 3910
Sonchus asper 3910
Sonchus oleraceus 3910
Sonchus uliginosus 3910
Spergula arvensis 4224
Sphenoclea zeylanica 4853
rice 1197
Striga 2125, 3458, 4323
forests 3892
Striga hermonthica 395
cereals 4732-4733
Tapinanthus, forests 3892
Tribulus terrestris, rangelands 2455
Ulex europaeus 4254, 4705
weeds 103, 561-562, 714, 882, 902, 1160, 1317, 1323-1324, 1730, 1732,

Biological control *cont.*
weeds *cont.*
2277, 2586, 2709, 2715, 3107-3109, 3192, 3456, 3544, 3546, 3728, 3736, 3738, 3893, 3992-3994, 4154, 4260, 4318-4319, 4321, 4326, 4401, 4758, 4847-4848, 5184, 5186, 5191
aubergines 862
broccoli 862
cabbages 862, 4656
Capsicum 862
cauliflowers 862
chicory 862
coffee 1659
cucumbers 862
culinary herbs 862
endives 862
forests 1567, 5110
groundnuts 786
lawns and turf 1243
leeks 862
lettuces 862
maize 2005
melons 862
raspberries 1639
rice 1015-1016, 1854, 3288, 3291
tomatoes 862
Vaccinium macrocarpon 4224
Valerianella locusta 862
woody weeds 4260, 4324
forests 1561
Xanthium spinosum 3115
Birch (*see Betula)*
Black cherries (*see Prunus serotina)*
Black currants (*Ribes nigrum*)
UK 318
Black gram (*see Vigna mungo)*
Black spruce (*see Picea mariana)*
Blainvillea latifolia
biology
composition 1846
sesquiterpenoid lactones 1846
Blueberries (*see Vaccinium)*
Boerhavia diffusa
biology
flowers 19
fruits 19
morphology 19
taxonomy 19
grapes, hosts of plant diseases 2276
hosts, bacteria 2276
seeds, seed morphology 19
Boerhavia erecta
biology
flowers 19
fruits 19
morphology 19
taxonomy 19
seeds, seed morphology 19
Bogs
Acer rubrum
plant communities 5163
USA 5163
weed associations 5163
Nymphaea odorata
plant communities 5163
USA 5163
weed associations 5163
Bolboschoenus maritimus (*see Scirpus maritimus)*
Bolivia, weeds, residential areas 3513
Bombax costatum
Burkina Faso 801
weed control
damage 801
regenerative ability 801
Bonavist beans (*see Lablab purpureus)*
Bonga 2399
Bonnaya brachiata
rice
seasonal variation 3515
surveys 3515
Books
herbicide residues
environmental impact 4325
food 884
groundwater 1737, 5188-5189
risk assessment 4325
surface water 1737, 5188-5189
toxicity 4325

Books *cont.*
herbicides
analytical methods 5188-5189
application methods 3460
availability 1738
chemistry 1736
companies 4326, 5187
development 1735
directories 883
education 4326
efficacy 1736
herbicide resistance 1736, 3027
imidazolinone herbicides 1735
information 1736, 4326
lawns and turf 1327, 3891
legislation 883
mammals 4322
man 884, 4760
manufacture 1733
metabolism 4322
mode of action 1735
neurotoxins 4760
organizations 883
Philippines 1734
regulation 1733
research 1733, 4326
rice 1734
sulfonylurea herbicides 1735
toxicity 884, 4760
UK 4326
usage 1738
weed control
aquatic weeds 5192
arboriculture 431
biological control 882, 1732, 3109, 3893, 5186, 5192
broccoli 877
Canada 882
cereals 3460
chemical control 3460, 3893
companies 4326
Cucurbitaceae 2593
development 4321
dictionaries 431
education 4326
extension 3893
forests 432
grain legumes 3460
grapes 3460
herbivorous fishes 5192
information 4326
integrated control 1734, 2594, 3026, 4324, 5190-5191
lawns and turf 1327, 3891
lucerne 2594
ornamental woody plants 3026
Philippines 1734
physical control 3893
research 4326
rice 1734
Salvinia 880
Striga 4323
subtropics 5186
tree fruits 3460
UK 4326
USA 882
weeds
allelopathy 1739, 3028
anatomy 2156
aquatic weeds 880
Arabidopsis thaliana 1326
arboriculture 431
dictionaries 431
environmental impact 3893
extension 3893
flowers 2156
forests 3892
France 881
identification 2156
introduction 3893
invasion 3893
lentils 879
nomenclature 881
ornamental woody plants 3026
parasitic weeds 879, 3892
plant pathogens 1326
poisonous weeds 2595
rice 1734
Sahel 3892
Salvinia 880
seed banks 878

Books *cont.*
weeds *cont.*
spread 3893
Striga 4323
Trinidad and Tobago 2156
UK 881
utilization 880
viruses 433
Borago officinalis
Amaranthus
hosts of plant diseases 93
Spain 93
Datura
hosts of plant diseases 93
Spain 93
Nicotiana alba
hosts of plant diseases 93
Spain 93
Borreria
ecology
nutrient availability 464
nutrient content 464
plant communities 464
Borreria alata
control 43
cultural control 3030
Hevea brasiliensis
budding 43
emergence 3030
plant competition 43
seed banks 3030
oil palms
emergence 3030
seed banks 3030
seeds, seed germination 3030
Borreria articularis
biology
emergence 4339
flowering 4339
fruiting 4339
phenology 4339
control
chemical control 3799, 4186
cultural control 4186
integrated control 4186
physical control 3799, 4186
herbicides, population dynamics 3799
seeds
seed dispersal 4339
seed germination 4761
weed control, population dynamics 3799
Borreria latifolia, control, chemical control 1227
Botswana
Cynodon dactylon 449
weeds
Cyperus papyrus 3437
ditch banks 3437
ditches 3437
Bouteloua gracilis
herbicides
carbohydrates 4949
chlorophyll 4949
damage 3792
economics 4634
growth rate 4949
nitrate reductase 4949
nitrogen content 4949
phosphorus 4949
plant communities 4634
plant height 3792
roots 4949
shoots 4949
yields 4634
USA 3792, 4634
Brachiaria decumbens, Paspalum conjugatum, Martinique 5058
Brachiaria deflexa
control 437
ecology
emergence 437
population density 437
seeds
buried seeds 437
seed dispersal 437
seed production 437
soil depth 437
storage 437
viability 437
Brachiaria eruciformis
seeds
light 893
seed germination 893
soil water 893
temperature 893
Brachiaria humidicola
Paspalum conjugatum, Martinique 5058
weeds, plant competition 5058
Brachiaria plantaginea
control
chemical control 4645
physical control 4645
soyabeans, Brazil 4645
Brachiaria platyphylla
control, chemical control 1570, 4582, 5108
herbicides
application date 4582
rain 1570
surfactants 1570
USA 1570
Brachypodium distachyon
biology
genomes 4942
molecular genetics 4942
plant growth regulators 4942
tissue culture 4942
ecology
ecotypes 4942
habit 4942
herbicides
resistance 1418
tissue culture 4942
utilization, models 4942
Brachypodium pinnatum
biology
carbon pathways 508
growth rate 508
photosynthesis 508
roots 508
transpiration 508
water relations 508
Brassica
Amaranthus
hosts of plant diseases 93
Spain 93
Bhutan 50
biology
genes 210
genetics 210
interspecific hybridization 210
Canada 5015
Datura
hosts of plant diseases 93
Spain 93
Germany 2099
herbicides
resistance 210
tolerance 1132
hosts
beneficial insects 556
fungi 547
Nicotiana alba
hosts of plant diseases 93
Spain 93
Orobanche
damage 2933
host parasite relationships 2933
Pluchea lanceolata, allelopathy 1399
rape, hosts of plant diseases 547
weed control
economics 1320
environmental impact 1320
weeds
chemical control 721, 4153
control 50, 3746
cultural control 50
occurrence 3746
surveys 50
wheat
growth stages 1781
plant succession 1781
population dynamics 1781
Brassica adpressa
biology
genes 210
genetics 210
interspecific hybridization 210
plant diseases 459
herbicides, resistance 210
Brassica adpressa *cont.*
hosts, fungi 459
rape
hosts of plant diseases 459
hybridization 459
Brassica alba *(see Sinapis alba)*
Brassica botrytis (*see* Cauliflowers)
Brassica campestris
Amaranthus blitum, hosts of plant diseases 4433
biology, genetic variation 3041
Cassia tora, hosts of plant diseases 4433
Cuscuta reflexa
carotenoids 4735
chlorophyll 4735
chloroplasts 4735
fatty acids 4735
glycolipids 4735
host parasite relationships 4735
linoleic acid 4735
linolenic acid 4735
phospholipids 4735
ecology
introduction 3041
invasion 3041
spread 3041
Imperata cylindrica
allelopathy 2665
cell division 2665
growth rate 2665
seed germination 2665
India 4433
Lantana camara, hosts of plant diseases 4433
Parthenium hysterophorus, hosts of plant diseases 4433
Sesbania grandiflora, hosts of plant diseases 4433
Xanthium strumarium, hosts of plant diseases 4433
Brassica campestris* var. *oleifera (*see* Turnip rape)
Brassica campestris* var. *rapa (*see* Turnips)
Brassica campestris* var. *sarson (*see* Sarson)
Brassica fimbriata (*see* Kale)
Brassica gemmifera (*see* Brussels sprouts)
Brassica hirta *(see Sinapis alba)*
Brassica juncea (*see* Indian mustard)
Brassica kaber *(see Sinapis arvensis)*
Brassica napus (*see* Sarson)
Brassica napus* var. *oleifera (*see* Rape)
Brassica oleracea* var. *acephala (*see* Kale)
Brassica oleracea* var. *botrytis (*see* Cauliflowers)
Brassica oleracea* var. *capitata (*see* Cabbages)
Brassica oleracea* var. *caulorapa (*see* Kohlrabi)
Brassica oleracea* var. *gemmifera (*see* Brussels sprouts)
Brassica oleracea* var. *gongylodes (*see* Kohlrabi)
Brassica oleracea* var. *italica (*see* Broccoli)
Brassica oleracea* var. *viridis (*see* Kale)
Brassica pekinensis (*see* Chinese cabbages)
Brassica rapa* subsp. *oleifera (*see* Turnip rape)
Brassica rapa* subsp. *rapa (*see* Turnips)
Brassicaceae
biology
enzymes 4427
glucosinolates 4427
thioglucosidase 4427
hosts, fungi 547
rape
hosts of plant diseases 547
hybridization 917
sugarbeet, surveys 3511
Brassinolide 2935
Brassinosteroids 2935
Brazil
herbicide residues
leaching 3705
soil 3705
Mimosa pigra 563
rice, rice, as weeds 1199
Sisyrinchium platense 385
weed control
chickpeas 305
cowpeas 305

Brazil *cont.*
weed control *cont.*
grain legumes 305
lentils 305
Phaseolus lunatus 305
pigeon peas 305
Psophocarpus tetragonolobus 305
Vigna angularis 305
Vigna radiata 305
Vigna umbellata 305
weeds
Baccharis coridifolia 3416
fungi 4714
hosts of plant diseases 4714
Lantana camara 4714
pastures 3416
Stachytarpheta cayennensis 706
Acre, legumes 306
Amazonas, weeds 2572
Bahia
Ixocactus macrophyllus 391
oranges 4670
Espírito Santo, *Artemisia verlotiorum* 4754
Mato Grosso
forests 4710
grasslands 4710
Minas Gerais
Eucalyptus torelliana, Panicum maximum 340
maize, *Panicum maximum* 340
sweet potatoes 2863
weeds
Aeschynomene rudis 3062
aquatic weeds 3011
Polygonum 2672
wheat, *Artemisia verlotiorum* 4620
Pará
Cassia rotundifolia 283
cowpeas 283, 742
Crotalaria paulina 283
Flemingia congesta 283
Inga edulis 283
Leucaena leucocephala 283
maize 283, 742
pigeon peas 283
Tephrosia candida 283
Paraíba, cotton 2201, 3834
Paraná
Calopogonium mucunoides 1999
Canavalia brasiliensis 1999
Canavalia ensiformis 1999
cowpeas 1999
Crotalaria mucronata 1999
maize 1999
Mucuna 1999
Mucuna aterrima 1999
pigeon peas 1999
weed control, wheat 268
Rio de Janeiro
weeds 464
Cyperus rotundus 3979
hosts of plant diseases 3979
Mikania micrantha 2712
Rio Grande do Sul
Phaseolus vulgaris 760
soyabeans
Brachiaria plantaginea 4645
Echinochloa 3497
sunflowers 2499, 3678, 4677-4678
Santa Catarina, rice 3297
São Paulo
Commelina benghalensis 548
herbicides
oranges 4669
usage 4669
Ipomoea acuminata 3469
oranges 4502
rice, as weeds 3907
soyabeans 2293, 2730, 3797-3798
weed control
labour requirements 4669
oranges 4669
Brinjal (*see* Aubergines)
Broad beans (*see* Faba beans)
Broccoli (*Brassica oleracea* var. *italica*)
algae
biological control 862
chemical control 862
Amaranthus hybridus, USA 3334
Canada 5082
Broccoli *cont.*
herbicides
damage 3334
economics 2489
residual effects 5068
residues 3127
yields 2489, 3334, 5068
Italy 5068
Lolium perenne
control 2656
economic thresholds 2656
plant competition 2656
population density 2656
USA 2656
yields 2656
Spain 2489
weed control
quality 5082
yields 5082
weeds
biological control 862
chemical control 862, 2410
control 877, 1588
Bromacil
analytical methods, extraction 3559
application
adjuvants 4512
surfactants 4926
application date, railways 3391
application methods, *Citrus* 2307
bioassays
cucumbers 4502
Lolium 4512
tobacco 1487
chemistry
degradation 1487
photolysis 1487
control
carrots, as weeds, railways 3391
Centaurea maculosa, railways 3391
Festuca arundinacea, railways 3391
Melilotus alba, railways 3391
parsnips, as weeds, railways 3391
weeds
lemons 4672
oranges 4672
damage
Phaseolus vulgaris 2040
tobacco 1487
degradation
soyabeans 192
tobacco 1487
fruits, *Citrus* 2307
growth rate
cucumbers 4502
Lolium 4512
Phaseolus vulgaris 2040
leaves, *Citrus* 2307
quality
lemons 4672
oranges 4672
residual effects, *Phaseolus vulgaris* 2040
residues
aquifers 2300
Citrus 2307
drinking water 2300
groundwater 2300, 3559
Melissa officinalis 2733
river water 2300
soil 2040, 2300, 2307, 3559, 4502, 4512, 4515, 4926
surface water 2300
wastes 1487
water 636, 2300
wells 2300
soil
degradation 2307
leaching 4512, 4515, 4926
movement 2300, 2307, 4512, 4926
organic matter 3559
persistence 4502, 4515
sorption 4512
translocation, soyabeans 192
uptake, soyabeans 192
water
biodegradation 636
oxygen 636
yields
lemons 4672
oranges 4672
Bromofenoxim
analytical methods
extraction 3564
gas chromatography 3557, 3564
HPLC 3557, 3564
liquid chromatography 3564
mass spectrometry 3564
thin layer chromatography 3557
chemistry
degradation 3619
pH 3619
photolysis 3619
damage, maize 3772
legislation, European Communities 3557
residues
atmosphere 3619
water 3557, 3564, 3619
temperature, maize 3772
water
degradation 3619
pH 3619
photolysis 3619
Bromoxynil
adjuvants, maize 4625
analytical methods
bioassays 129
biosensors 129
gas chromatography 118
liquid chromatography 4013
antagonism
Avena fatua 859
Lamium hybridum 3711
maize 4625
Stellaria media 3711
Veronica persica 3711
application date
cereals 263
lawns and turf 3842
Oxalis pes-caprae 4171
sorghum 1607, 4182
triticale 4177
application rates
barley 264
cereals 263-264
cherries 3307
cotton 5109
flax 2087
grapes 3307
Lamium hybridum 3711
lucerne 3307
Oxalis pes-caprae 4171
roses 3307
Stellaria media 3711
Veronica persica 3711
bioassays, algae 129
bulbs, *Oxalis pes-caprae* 4171
chemistry
iron 1026
manganese 1026
metal ions 1026
photolysis 1026
control
Abutilon theophrasti, cotton 5109
Alopecurus myosuroides, cereals 263
Amaranthus hybridus, cotton 5109
Amaranthus retroflexus
maize 2826
sorghum 4182
Apera spica-venti
cereals 262
wheat 262
Avena, cereals 263
Avena fatua 859, 3700
flax 2087
Bromus tectorum, lawns and turf 3842
Chenopodium album
lawns and turf 3842
sorghum 4182
Convolvulus arvensis, lawns and turf 3842
Cynodon dactylon, lawns and turf 3842
Digitaria sanguinalis, maize 4625
Echinochloa crus-galli
maize 2826
sorghum 1607, 4182
Elymus repens
cereals 262
wheat 262
Eriochloa villosa, maize 4625

Bromoxynil *cont.*
control *cont.*
Euphorbia humistrata, cotton 5109
Galium aparine, cereals 263
Hymenachne amplexicaulis, rice 1198
Ipomoea lacunosa, cotton 5109
Lolium, cereals 263
Oxalis pes-caprae
fallow 4171
wheat 4171
Panicum miliaceum, maize 4625
Pharbitis hederacea, cotton 5109
Setaria faberi, maize 4625
Setaria viridis, flax 2087
Sida spinosa, cotton 5109
Solanum nigrum, sorghum 4182
Striga gesnerioides
maize 4279
sorghum 4279
Striga hermonthica
maize 4279
sorghum 1606, 4279
sunflowers, as weeds, sorghum 1607
Taraxacum, lawns and turf 3842
Thlaspi arvense, Bromus inermis 2456
Trifolium repens, lawns and turf 3842
Trigonella, lawns and turf 3842
weeds
barley 264
cereals 262-264
lawns and turf 3842
maize 2011, 2428, 2826, 5037
Miscanthus sinensis 2099
rice 1198
triticale 4177
wheat 262, 1185, 1992, 3760, 4172
cross resistance, *Abutilon theophrasti* 1810
damage
cherries 3307
flax 2087
grapes 3307
lucerne 3307
maize 3772, 4625
Miscanthus sinensis 2099
roses 3307
sorghum 4182
Trifolium subterraneum 304
triticale 4177
drift
cherries 3307
grapes 3307
lucerne 3307
roses 3307
wheat 2377
economics, wheat 3760
growth rate
Lamium hybridum 3711
Lemna minor 3436
Stellaria media 3711
Veronica persica 3711
interactions
adjuvants 4625
fertilizers 4625
herbicides 859, 1607, 1887, 3711, 3760, 3842, 4172, 4177, 4625, 5037, 5109
surfactants 4625
labour requirements, wheat 3760
leaves, triticale 4177
legislation, Canada 3137
mode of action
Striga gesnerioides 4279
Striga hermonthica 4279
nutrient uptake
algae 3436
cyanobacteria 3436
photosynthesis
Striga gesnerioides 4279
Striga hermonthica 4279
photosystem II
Striga gesnerioides 4279
Striga hermonthica 4279
plant diseases, *Trifolium subterraneum* 304
plant pests
cotton 1234
Ricinus communis 1234

Bromoxynil *cont.*
population density
Oxalis pes-caprae 4171
Striga hermonthica 1606
registration, Canada 3436
residues
atmosphere 2377, 4472
cereals 118
drinking water 4013
groundwater 3137, 3668
river water 4013
sediment 3135
soil 118, 2377, 3135
surface water 4013
triticale 1887
water 3135
wheat 2377
zooplankton 3135
resistance, *Abutilon theophrasti* 1810
roots, *Oxalis pes-caprae* 4171
seed banks, *Striga hermonthica* 1606
seed germination
Striga gesnerioides 4279
Striga hermonthica 4279
selectivity, sorghum 1607
soil
degradation 2377
persistence 2377
soil water 2377
surfactants, maize 4625
synergism
Lamium hybridum 3711
Stellaria media 3711
Veronica persica 3711
temperature, maize 3772
tolerance, cotton 5109
toxicity
aquatic organisms 3135, 3436
ecosystems 3135, 3436
zooplankton 3135
water
biodegradation 3668, 4081
oxygen 3668
persistence 3668
salinity 3135
yields
Bromus inermis 2456
flax 2087
maize 4625
sorghum 1606
triticale 4177
wheat 1992, 3760, 4172
Bromus
biology
cell culture 1501
cold resistance 1501
plant growth regulators 1501
cereals
cultural control 1404
distribution 1404
physical control 1404
population density 1404
spatial distribution 1404
surveys 1404
ecology, temperature 1501
urban areas, plant communities 2614
Bromus biebersteinii
Canada 3303
weed control, yields 3303
Bromus catharticus *(see Bromus willdenowii)*
Bromus commutatus
cereals
distribution 1404
spatial distribution 1404
surveys 1404
ecology
distribution 4345
habitats 4345
roadsides, Israel 4345
Bromus diandrus
biology, emergence 2580
cereals
distribution 1404
spatial distribution 1404
surveys 1404
control
chemical control 1209
cultural control 2580
physical control 2580

Bromus diandrus *cont.*
grasslands
population density 4804
USA 4804
herbicides
degradation 1593
growth rate 1593
photosynthesis 1593
photosystem II 1593
residues 1593
Lupinus, control 1591
seeds
seed germination 2580
seed predation 2580
Spain 2580
wheat, control 1591
Bromus hordeaceus
cereals
distribution 1404
spatial distribution 1404
surveys 1404
Bromus inermis
Acroptilon repens
light 3791
plant competition 3791
Russia 3791
Agropyron cristatum
Canada 4371
growth rate 4371
plant competition 4371
Artemisia frigida
Canada 1617
economic thresholds 1617
biology
binding sites 2697
cell culture 2697
cold resistance 2697
plant growth regulators 2697
Canada 2454, 3303
Chenopodium album, Canada 2456
control
chemical control 4752
cultural control 3302
Festuca
Canada 3302
fire effects 3302
invasion 3302
population dynamics 3302
Festuca altaica
Canada 3302
fire effects 3302
invasion 3302
population dynamics 3302
herbicides
adjuvants 4752
damage 2454, 2456
residual effects 2454
yields 1617, 2454, 2456
Hieracium pilosella
growth rate 37
plant competition 37
Hieracium praealtum
growth rate 37
plant competition 37
Melilotus officinalis
Canada 4371
growth rate 4371
plant competition 4371
Poland 297
Thlaspi arvense, Canada 2456
weed control
application date 3302
leaf area index 3302
population dynamics 297
stomata 3302
tillering 3302
water relations 3302
yields 3303
Bromus madritensis
ecology
disturbed land 1413
establishment 1413
seeds
seed dispersal 1413
seed predation 1413
seed size 1413
Bromus mollis *(see Bromus hordeaceus)*
Bromus* × *pseudothominii
cereals
distribution 1404
spatial distribution 1404

Bromus* × *pseudothominii *cont.*
cereals *cont.*
surveys 1404
Bromus rigidus
cereals, surveys 974
Lupinus, control 1591
wheat, control 1591
Bromus secalinus
biology, molecular genetics 443, 446
cereals
distribution 1404
spatial distribution 1404
surveys 1404
control, chemical control 3758
lucerne
allelopathy 4539
growth rate 4539
saponins 4539
seeds
plant growth regulators 443
seed dormancy 443, 446
seed germination 443, 446
wheat, USA 3758
Bromus sterilis
Arrhenatherum elatius, UK 959
biology
enzymes 3075
flowers 3926
genetic variation 3075
growth rate 969, 3926
reproduction 969, 3926
vegetative propagation 969
cereals
distribution 1404
spatial distribution 1404
surveys 1404
control, chemical control 1159, 1729
ecology
ecotypes 3075
fertilizers 3926
habitats 2669, 3075
invasion 971
plant succession 959
population density 959, 3926
spread 967
fallow
species diversity 967
surveys 967
hedges
fertilizers 969
nitrogen 969
UK 959, 3926
herbicides
adjuvants 1729
application date 1729
application methods 1729
soil water 1159, 1729
temperature 1729
Poaceae, UK 959
UK 1159
wheat
spread 968
yields 968
Bromus tectorum
Artemisia
fire effects 3057
plant communities 3057
regrowth 3057
biology
composition 3092
flowering 2256
fructans 3092
gas exchange 4783
genetic variation 2256
growth rate 1024
leaf area 2250
life history 2250
nutrient content 2102
phenotypes 2256
photosynthesis 4783
plant height 2256
roots 2250
stomatal resistance 4783
water relations 4783
control
biological control 1024
chemical control 277, 1574, 2419, 2458, 3842, 4452, 5061, 5127
cultural control 277, 1777, 1997, 4375
integrated control 4375
Bromus tectorum *cont.*
control *cont.*
physical control 277, 1997, 2390, 4375
ecology
colonizing ability 2244
dispersal 2244
distribution 2244, 2248
disturbed land 2169
emergence 2256
establishment 2248
fertilizers 4783
fire effects 2102
habitats 2248
introduction 2169, 2244, 2256
nutrient availability 2102, 4783
phenology 2248
plant competition 2244, 2248, 2250
population density 2250
population dynamics 2169
soil water 4783
Elymus elymoides, plant competition 1
Elymus lanceolatus, plant competition 1
Elymus spicatus, plant competition 1
fallow
Canada 1997
USA 5127
Festuca, chemical control 2458
Festuca ovina, plant competition 1
forests
control 2248
plant competition 2248
grasslands
chemical control 2458
fire effects 3057
plant communities 3057
regrowth 3057
USA 5061
herbicides
application date 5127
bioassays 4452
surfactants 1574
Leymus cinereus, plant competition 1
Poa canbyi, plant competition 1
Poa sandbergii, plant competition 1
Quercus
fire effects 3057
plant communities 3057
regrowth 3057
rangelands
control 2248
plant competition 2248
USA 2390
rape, Canada 1997
seeds
seed banks 2169, 2250
seed dormancy 446, 2169
seed germination 1, 446, 1024, 2248
seed longevity 2458
seed predation 2169
seed production 2250, 2256
seed weight 2256
temperature 1
USA 2250
weed control
growth rate 4375
population density 4375
stems 4375
survival 4375
wheat
Canada 1777, 1997
chemical control 2458
establishment 1777
growth rate 1777
habit 1777
light 1777
plant competition 1777
plant height 1777
seed production 1777
shading 1777
USA 2419, 4375
yields 1777
Bromus willdenowii
Carduus nutans
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
Bromus willdenowii *cont.*
Poa annua, invasion 3053
Poland 46
weeds, population density 46
Brunnichia ovata, control, chemical control 5104
Brussels sprouts (*Brassica oleracea* var. *gemmifera*)
herbicides
application date 315
tolerance 315
UK 315
weeds
chemical control 2410
control 1588
Buchloe dactyloides
biology
digestibility 2172
dioecy 1108
genetic variation 1108
inflorescences 1108
leaves 2172
mutants 1108
plant growth regulators 1108
sex ratio 1108
ecology
herbivores 2172
spread 2172
herbicides, damage 1615
seeds
seed dispersal 2172
seed germination 2172
viability 2172
USA 1615
Buckwheat (*Fagopyrum esculentum*)
Bhutan 50
Canada 5015
Cirsium arvense
allelopathy 2644
plant competition 2644
population density 2644
USA 2644
Echinochloa crus-galli
allelopathy 3500
growth rate 3500
seed germination 3500
herbicides
application rates 2415, 2453
damage 2415, 2453
degradation 2771
drift 2453
residual effects 2415
seed weight 2453
selectivity 2771
soil types 2415
tolerance 2453, 2771
translocation 2771
uptake 2771
yields 294, 2415, 2453
Poland 294
Russia 746, 2415
Sinapis alba
allelopathy 3500
growth rate 3500
seed germination 3500
USA 2453
weed control, yields 294
weeds
control 50
cultural control 50
surveys 50
Buddleja davidii, control, biological control 2900
Bulgaria
flora 2632, 2667
grasslands, *Pteridium aquilinum* 5056
soyabeans, *Echinochloa crus-galli* 3493
sunflowers, *Orobanche cumana* 2877, 2946
tobacco
Orobanche mutelii 2891
Orobanche ramosa 2891
weeds 2573
Orobanche cumana 2971
parasitic weeds 2944
sunflowers 2971
tobacco 2944
wheat, *Echinochloa crus-galli* 3493
Bupleurum rotundifolium
barley, seed germination 2158
rye, seed germination 2158

Bupleurum rotundifolium *cont.*
seeds
light 2158
seed dormancy 2158
seed germination 2158
storage 2158
Buracyl 2310
Burefen 2077, 3707, 3827
Burefen FD 3238
Burkina Faso
Adansonia digitata 801
Bauhinia reticulata 801
Bombax costatum 801
Combretum glutinosum 801
Ficus gnaphalocarpa 801
Guiera senegalensis 801
Parkia biglobosa 801
Striga 3430
Tamarindus indica 801
Vitellaria paradoxa 801
Tapinanthus dodoneifolius 4273-4274
Tapinanthus globiferus 4273-4274
Tapinanthus ophiodes 4273-4274
weed control
integrated control 4314
Striga hermonthica 1283
weeds, *Striga gesnerioides* 5161
Burmannia coelestis
biology
emergence 4339
flowering 4339
fruiting 4339
phenology 4339
seeds, seed dispersal 4339
Bursera hindsiana
Phrygilanthus sonorae
host parasite relationships 3418
Mexico 3418
Bursera microphylla
Phrygilanthus sonorae
host parasite relationships 3418
Mexico 3418
Butachlor
α-amylase
Echinochloa crus-galli 1534
rice 1534
apical meristems, *Echinochloa crus-galli* 2781
application date, rice 3788, 4193
application methods, rice 2840, 4193
application rates
cyanobacteria 4551
Echinochloa crus-galli 4117
rice 2842, 4117, 4193, 4569
bioassays, algae 3682
carbohydrates
Echinochloa crus-galli 1534
rice 1534
composition
Echinochloa crus-galli 1534
rice 1534
control
Ageratum conyzoides
groundnuts 4232
Morus australis 4244
rice 4184, 4186, 4631
Amaranthus viridis
groundnuts 4232
Morus australis 4244
rice 4631
Ammania baccifera, rice 4629
Anagallis arvensis, Indian mustard 4233
aquatic weeds, rice 2028
Borreria articularis, rice 4186
Celosia argentea, groundnuts 4232
Chenopodium album, Indian mustard 4233
Chenopodium ambrosioides, rice 4184
chicory, as weeds, Indian mustard 4233
Cleome viscosa, rice 2026
Commelina benghalensis, Morus australis 4244
Cynodon dactylon
Indian mustard 4233
Morus australis 4244
rice 2026, 4186, 4629, 4631
Cyperus difformis, rice 4191, 4193, 4629
Butachlor *cont.*
control *cont.*
Cyperus iria
groundnuts 4232
rice 4184, 4191
soyabeans 1211
Cyperus rotundus
groundnuts 4232
Indian mustard 4233
Morus australis 4244
rice 2026, 3788, 4184, 4186, 4629, 4631
Digitaria ciliaris
Indian mustard 4233
Morus australis 4244
rice 4186
Digitaria sanguinalis, rice 4629
Echinochloa colonum
groundnuts 4232
rice 4184, 4191, 4629
soyabeans 1211
Echinochloa crus-galli, rice 1608, 2026, 2028, 2781, 3786, 3788, 4191, 4193, 4629
Eclipta alba
rice 3786
soyabeans 1211
Eclipta prostrata, rice 4629
Eleusine indica
groundnuts 4232
rice 4186
Erigeron linifolius, rice 4184
Euphorbia hirta, rice 2026
Fimbristylis miliacea, rice 4629
Hymenachne amplexicaulis, rice 1198
Imperata cylindrica, rice 4184
Leptochloa chinensis, rice 4191
Leucas aspera, rice 4631
Lindernia procumbens, rice 1608
Lippia nodiflora, rice 4629
Ludwigia adscendens, rice 4191
Ludwigia parviflora, rice 4629
Marsilea quadrifolia, rice 4191
Medicago polymorpha, Indian mustard 4233
Melilotus alba, Indian mustard 4233
Mimosa pudica, rice 4631
Monochoria vaginalis, rice 4193
Panicum ramosum, rice 4631
Panicum repens, rice 4191
Paspalum dilatatum, groundnuts 4232
Paspalum distichum
Indian mustard 4233
rice 4193
Phalaris minor, Indian mustard 4233
Phyllanthus niruri, rice 4629, 4631
Plantago major, rice 4184
Portulaca oleracea, Indian mustard 4233
Rotala indica, rice 1608
Rumex dentatus, Indian mustard 4233
Sagittaria pygmaea, rice 1608
Setaria pumila
groundnuts 4232
rice 4186
Spergula arvensis
Indian mustard 4233
rice 4184
Trianthema portulacastrum, groundnuts 4232
Trifolium fragiferum, Indian mustard 4233
weeds
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
groundnuts 2881
Indian mustard 4233
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
rice 50, 1198, 1200, 1608, 2017, 2021, 2023, 2025, 2027-2029, 2440-2441, 2840-2841, 3293-3295, 3782, 3786-3787, 4184-4186, 4191, 4629, 4631, 5041-5044, 5053
soyabeans 5065
Butachlor *cont.*
control *cont.*
weeds *cont.*
tomatoes 4604
damage, rice 1198, 2017, 2781, 2842, 4193, 4569
economics
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
groundnuts 4232
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
rice 2023, 4185-4186, 5042-5043
soyabeans 1211
tomatoes 4604
enzymes
Echinochloa crus-galli 1534, 4117
rice 1534, 4117
formulations
emulsifiable concentrates 4193
granules 4193
growth rate
algae 3682
Cleome viscosa 2026
cyanobacteria 4551
Cynodon dactylon 2026
Cyperus rotundus 2026
Echinochloa crus-galli 2026, 2781, 4117
Euphorbia hirta 2026
rice 2026, 2781, 3293, 3788, 4117, 4193, 5044
interactions, herbicides 2027
leaf area index, rice 3788
leaves
Echinochloa crus-galli 1534, 2781
rice 1534, 2781, 4569
nitrogen, rice 2017
nitrogen fixation, cyanobacteria 4551
nutrient uptake
Ageratum conyzoides 4244
Amaranthus viridis 4244
Commelina benghalensis 4244
Cynodon dactylon 4244
Cyperus difformis 4191
Cyperus iria 4191
Cyperus rotundus 4244
Digitaria ciliaris 4244
Echinochloa colonum 4191
Echinochloa crus-galli 4191
Leptochloa chinensis 4191
Ludwigia adscendens 4191
Marsilea quadrifolia 4191
Morus australis 4244
Panicum repens 4191
rice 2017, 4184, 5053
photosynthesis
Echinochloa crus-galli 1534
rice 1534
phytoalexins, rice 4569
pigments, rice 2842
plant height, rice 2842, 4193
plant pests, soyabeans 5065
proteinases
Echinochloa crus-galli 1534
rice 1534
residual effects
Acanthospermum hispidum 4604
Cynodon dactylon 4604
Cyperus iria 4604
Cyperus rotundus 4604
Euphorbia 4604
Lagascea mollis 4604
lentils 4185
Mollugo pentaphylla 4604
Portulaca oleracea 4604
residues
man 1477
river water 3682
rivers 2752
soil 2752, 3174, 4087, 4604, 4938
water 2752
ribonucleases
Echinochloa crus-galli 4117
rice 4117
safeners, rice 4191

Butachlor *cont.*
seed germination, *Echinochloa crus-galli* 1534
seeds
Echinochloa crus-galli 1534
rice 1534
selectivity, rice 4193
soil
Actinomycetales 4938
bacteria 3174, 4087, 4938
biodegradation 3174
fungi 4087, 4938
microorganisms 4087
persistence 4604
runoff 2752
soil flora 4938
soil water
Echinochloa crus-galli 2781
rice 2781
starch
Echinochloa crus-galli 1534
rice 1534
stomata
Echinochloa crus-galli 1534
rice 1534
sugars
Echinochloa crus-galli 1534
rice 1534
susceptibility, cyanobacteria 4551
tolerance, rice 2842
toxicity
goats 3157
man 1477
transpiration
Echinochloa crus-galli 1534
rice 1534
yield components
groundnuts 4232
rice 4184, 4186, 4191, 4629
yields
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
groundnuts 4232
Indian mustard 4233
Morus australis 4244
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
rice 1200, 2017, 2023, 2025, 2027-2029, 2440-2441, 2450, 2840-2841, 3294-3295, 3782, 3786-3788, 4184-4186, 4191, 4193, 4629, 4631, 5041-5044, 5053
soyabeans 5065
tomatoes 4604

Butamifos
residues
fishes 4476
rivers 4476
water 4476

Butomus umbellatus
biology
anatomy 2262
composition 4743
development 2262
fatty acids 4743
glycolipids 4743
lipids 4743
phospholipids 4743
pollen 2262
ecology
disturbed land 1398
habitats 1398
plant communities 1398
soil types 1398
species diversity 1398

Butralin
application rates
Cynodon transvaalensis × *C. dactylon* 3377
Festuca arundinacea 3377
control, weeds, onions 2486
damage
Cynodon transvaalensis × *C. dactylon* 3377
Festuca arundinacea 3377

Butralin *cont.*
tolerance
Cynodon transvaalensis × *C. dactylon* 3377
Festuca arundinacea 3377

Butylate
adjuvants, maize 4178
application methods, maize 3775
application rates
maize 1898, 3265
soyabeans 3265
wheat 3265
control
Elymus repens, maize 4178
weeds
maize 3265, 3775
soyabeans 3265
wheat 3265
damage, maize 4178
energy relations
maize 3265
soyabeans 3265
wheat 3265
interactions
adjuvants 4178
fertilizers 3775
herbicides 3775
surfactants 4178
residual effects, maize 1898
residues
lakes 582
maize 1898
soil 582, 4875
water 582
soil, runoff 582
surfactants, maize 4178
toxicity, rats 1480, 1898
yields
maize 3265, 3775, 4178
soyabeans 3265
wheat 3265

Buxus sempervirens
herbicides
cuticle 2800
leaves 2800
surfactants 1516, 2800
uptake 1516, 2800
waxes 2800

Byrsonima orbignyana
biology, growth rate 4710
forests
biomass 4710
flooding 4710
invasion 4710
grasslands
biomass 4710
flooding 4710
invasion 4710

Cabbages (*Brassica oleracea* var. *capitata*)
algae
biological control 862
chemical control 862
Amaranthus hybridus, USA 3334
Amaranthus retroflexus
allelopathy 4385
hosts of plant pests 96
nutrient availability 4385
seed germination 4385
Chenopodium album
growth rate 4795
nutrient uptake 4795
plant competition 4795
potassium 4795
Chenopodium murale
allelopathy 4385
nutrient availability 4385
seed germination 4385
Chrysanthemum, hosts of plant pests 96
Datura stramonium, hosts of plant pests 96
Emilia sonchifolia, hosts of plant pests 96
Galinsoga parviflora, hosts of plant pests 96
herbicides
application date 315
damage 3334
degradation 2771
economics 4604
residues 2728, 3127, 3142
selectivity 2771

Cabbages *cont.*
herbicides *cont.*
tolerance 315, 2771
translocation 2771
uptake 2771
yields 3334, 4604
Hydrocotyle umbellata, hosts of plant pests 96
India 1637, 3142, 4604
Norway 3720
Portulaca oleracea, hosts of plant pests 96
Russia 3723
Sonchus asper, hosts of plant pests 96
UK 315, 4219
weed control
application equipment 3720
economics 4604
fertilizers 4219
growth rate 1637
soil flora 3723
yield components 4219
yields 1637, 4219, 4604
weeds
biological control 862
chemical control 862, 2410, 4153, 4219, 4656
control 1588

Caesulia axillaris
biology
composition 518
essential oils 518
monoterpenes 518
phenolic compounds 518
rice, India 518

Cajanus cajan (*see* Pigeon peas)

Calamagrostis arundinacea
control
chemical control 4246
physical control 4246

Calamagrostis canadensis
biology, vegetative propagation 4789
Canada 4243
ecology
colonizing ability 4789
fertilizers 4789
plant competition 4789
temperature 4789
herbicides, nutrient content 4243

Calamagrostis epigejos
control
cultural control 2034
physical control 2034
grasslands, Croatia 2034

Calamintha asheri
Leptochloa dubia
allelopathy 1784
growth rate 1784
seed germination 1784
terpenoids 1784
Schizachyrium scoparium
allelopathy 1784
growth rate 1784
seed germination 1784
terpenoids 1784

Calendula arvensis
barley, plant competition 41
triticale, plant competition 41
wheat, plant competition 41

Calendula officinalis, hosts, insects 825

Callisthene fasciculata
biology, growth rate 4710
forests
biomass 4710
flooding 4710
invasion 4710
grasslands
biomass 4710
flooding 4710
invasion 4710

Callitriche stagnalis
biology
callus 2134
composition 2134
enzymes 2134
β-fructofuranosidase 2134
growth rate 2134
nutrients 2134
starch 2134
sucrose synthase 2134
sugars 2134

Callitriche stagnalis *cont.*
biology *cont.*
tissue culture 2134
ecology, nutrient availability 2134
Calluna vulgaris
dunes, occurrence 2103
ecology
distribution 2103
litter 1379
mineralization 1379
nutrient availability 1379
organic matter 1379
plant succession 1379, 2103
population dynamics 1379, 2103
surveys 2103
heathlands, Netherlands 1379
Calopogonium mucunoides, Brazil 1999
Calotropis procera
biology
composition 2543
dry matter distribution 2183
growth rate 2184
life history 2183-2184
nomenclature 2543
physiology 2184
taxonomy 2543
ecology
climate 2543
distribution 2543
toxicity, livestock 2543
Caltha
biology
evolution 1761
morphology 1761
pollen 1761
taxonomy 1761
seeds
seed morphology 1761
testas 1761
Calystegia japonica
biology
genetic variation 4779
reproduction 4779
ecology
distribution 4779
spatial distribution 4779
Calystegia sepium
biology
composition 2272
enzymes 2272
glucosidase inhibitors 2272
root exudates 2272
roots 2272
tropane alkaloids 2272
Canada 4333
control, chemical control 3451
ecology
light 4333
shading 4333
herbicides, growth rate 3451
hosts, insects 553
maize, weed associations 2241
seeds
imbibition 436
plant growth regulators 436
scarification 436
seed dormancy 436
seed germination 436
stimulants 436
storage 436
temperature 436
USA 3451
Calystegia silvaticum
asparagus
control 3337
New Zealand 3337
Camellia sinensis (*see* Tea)
Cameroon
cowpeas 1212
groundnuts 1212
herbicides
bananas 4228
cotton 4983
extension 4983
labelling 4983
safety 4983
Launaea chevalieri 4852
Phaseolus vulgaris 1212
sorghum, *Striga hermonthica* 1606
soyabeans 1212
sweet potatoes 4653
Cameroon *cont.*
weeds
Asteraceae 2607
Convolvulaceae 2607
cotton 3956
surveys 3956
Canada
flora 3025, 3036
herbicide residues
aquatic environment 4588
drinking water 4588
lakes 4478
legislation 1035
rivers 3136
toxicity 4588
herbicides
aerial application 219
application 3240
application rates 219, 695
atomizers 219
birds 3145
cereals 1888
containers 4589
deposition 219
disposal 3240
drift 219
droplet size 219
environmental impact 219
exposure 4997
extension 695
forests 164, 219
grain legumes 1888
handling 3240
Kochia scoparia 4405
legislation 695, 1035, 1888
licences 695
low volume spraying 219
nontarget effects 3145
oilseed plants 1888
peas 1888
rain 219
registration 695, 1035, 3436, 4997
reports 3240
research 3145
resistance 4405
risk 4997
safety 4589
storage 3240
surveys 219
temperature 219
toxicity 4997
transport 3240
usage 3240
weeds 4405
wildlife 3145
wind effects 219
Pinus strobus, Picea glauca 4086
Vaccinium angustifolium 4925
weed control
Alnus rubra 5111
aquatic weeds 2142
biological control 377, 882, 1442, 5111
Centaurea 106
Euphorbia esula 377
forests 346, 5111
integrated control 4324
lakes 2142
Linaria dalmatica 1442
maize 2005
organizations 4148
Pinopsida 5114
weeds
Arceuthobium 5157
Avena fatua 1813
biology 2574
cereals 1813
Chenopodiaceae 2255
Cirsium arvense 1013
control 16
Coreopsis 2691
distribution 882
economics 826
forests 5157
Gaultheria shallon 1251
genetic diversity 2639
herbicide resistant weeds 505, 4405
hosts of plant pests 1013
Kochia scoparia 4405
Lythrum salicaria 3444
plant communities 3444
Canada *cont.*
weeds *cont.*
poisonous weeds 16, 826
Setaria italica 2639
Setaria viridis 2639
taxonomy 16
toxicity 826
Vallisneria americana 2574
wildlife 3444
Alberta
Aster conspicuus 4243
barley 2416, 2454, 2821, 3303
Avena fatua 39, 54
Cirsium arvense 1595
Polygonum lapathifolium 44
Setaria viridis 44
Stellaria media 2257
Bromus biebersteinii 3303
Bromus inermis 2454, 3303
Calamagrostis canadensis 4243
Elymus repens 1507
fallow
Bromus tectorum 1997
Cirsium arvense 2413
Festuca rubra 2454
flax 277
herbicide residues, groundwater 3137
herbicides, conferences 2155
Indian mustard 1650
Lemna minor 4742
lentils 277
lucerne 2454, 3303
maize, *Setaria viridis* 3269
peas, barley, as weeds 322
Phleum pratense 2454
Populus tremuloides 4243
potatoes 312, 5078
rape 277, 2416, 2821, 3236
Avena fatua 4974
barley, as weeds 4974
Bromus tectorum 1997
Fagopyrum tataricum 1228
Polygonum lapathifolium 44
Setaria viridis 44
safflower, *Setaria viridis* 322
Sinapis alba 1650
Trifolium pratense 2454
weed control
biological control 5148
Euphorbia esula 5148
weeds
herbicide resistance 1806
prairies 1806
wheat 269, 277, 1472, 2416, 3303
Bromus tectorum 1777, 1997
Cirsium arvense 1595
Polygonum lapathifolium 44
Setaria viridis 44
Stellaria media 2257
British Columbia
herbicides
forests 2398
legislation 2398
public opinion 2398
Picea glauca, Rubus parviflorus 805
Pinus contorta, Rubus parviflorus 805
Thuja plicata, Gaultheria shallon 5134
Tsuga heterophylla, Gaultheria shallon 5134
weeds
Acer macrophyllum 2898
hosts of plant diseases 2898
Manitoba
barley 1960
flax 2475
Avena fatua 2087
Setaria viridis 2087
herbicides
extension 1971
usage 1971
Lemna minor 4742
lentils 1216, 2475
maize, *Setaria viridis* 3269
oats 1165, 1960
Phaseolus vulgaris, Sinapis arvensis 941
rape, *Sinapis arvensis* 942
Sinapis arvensis 4555
triticale 1887

Canada *cont.*
Manitoba *cont.*
weeds
herbicide resistance 1806
identification 4347
Panicum capillare 4347
prairies 1806
wetlands, *Lythrum salicaria* 418
New Brunswick
Abies balsamea, raspberries, as weeds 4242
Acer 4978
forests
Acer pensylvanicum 800
Acer saccharum 800
Acer spicatum 800
Betula alleghaniensis 800
Corylus cornuta 800
Fagus grandifolia 800
Fraxinus americana 800
Sambucus pubens 800
Lupinus albus 2462
Picea mariana, raspberries, as weeds 4242, 5119-5120
Picea rubens, raspberries, as weeds 4242
Populus 4978
Populus tremuloides, raspberries, as weeds 4242
Prunus pensylvanica 4978
Rubus 4978
weeds
cereals 4399
control 361
strawberries 3068
Newfoundland, *Kalmia angustifolia* 818
Nova Scotia
Abies balsamea, Rubus 1906
Acer rubrum, Rubus 1906
Betula alleghaniensis, Rubus 1906
Betula papyrifera, Rubus 1906
Picea rubens, Rubus 1906
Tsuga canadensis, Rubus 1906
Ontario
Ambrosia artemisiifolia 1396
Calystegia sepium 4333
carrots 1033
Elymus repens 1720
forests 4913
herbicide residues
legislation 578
precipitation 578
surface water 578
herbicides
amphibia 3370
birds 3369
deer 3370
insects 3370
mammals 3368, 3370
Mollusca 3367
Pinopsida 3367-3370
reptiles 3370
lakes 1070, 1075, 4051
algae 3018
phytoplankton 3018
Typha 3867
maize 1387-1388, 3166, 3265, 3271, 4499
Amaranthus retroflexus 2208, 3052
Elymus repens 1190, 1600, 4179
Xanthium strumarium 208
marshes, *Typha* 3867
Nymphaea odorata 1291
Picea glauca 3373
Picea mariana 3051
Pinus banksiana 3051
Pinus resinosa 3051
Pinus strobus 3051
ponds, *Myriophyllum spicatum* 4062
Pontederia cordata 1291
Quercus rubra 5113
rye
Amaranthus retroflexus 1624
Chenopodium album 1624
Saponaria officinalis 4333
Solidago altissima 2643
Solidago canadensis 2643
Solidago gigantea 2643
soyabeans 940, 3265, 4207
Amaranthus retroflexus 1624

Canada *cont.*
Ontario *cont.*
soyabeans *cont.*
Chenopodium album 1624
Elymus repens 1600, 4179
Xanthium strumarium 208
streams 4051
tomatoes, *Solanum ptycanthum* 3936
triticale
Amaranthus retroflexus 1624
Chenopodium album 1624
Vallisneria americana 1707
weed control
amphibia 3370
birds 3369
deer 3370
extension 3364
forests 3364
insects 3370
mammals 3368, 3370
Mollusca 3367
Pinopsida 3367-3370
reptiles 3370
surveys 3364
weeds
identification 4347
indicator plants 4303
Oenothera biennis 543
Panicum capillare 4347
pollution 4303
rivers 4303
Solanum ptycanthum 986
Vallisneria americana 4303
wetlands, *Xanthium strumarium* 208
wheat 3265
Amaranthus retroflexus 1624
Chenopodium album 1624
Xanthium strumarium 1126, 2351
Prince Edward Island, *Lupinus albus* 2462
Quebec
apples 4088
barley 5015
Brassica 5015
broccoli 5082
buckwheat 5015
cereals 5021
Festuca rubra 2845
Fraxinus americana 2347
Fraxinus pennsylvanica 668
grasslands 2845-2846
herbicides, fallow 966
Juglans cinerea 2347
lakes 3863
Lolium 5082
Lolium perenne 5035
maize 5021, 5035
medicinal plants 4701
Melilotus officinalis 5021
oats 5015
pastures 2846
peas 5015
Picea abies 4946
Picea glauca 4946
Picea mariana 4946
Pinus resinosa 4946
potatoes, *Elymus repens* 2205
Quercus macrocarpa 2347
Quercus rubra 668
radishes 5015
rye 5082
Trifolium incarnatum 5021
Trifolium pratense 2846, 5035, 5082
Trifolium repens 2845
Vicia villosa 5021
wheat 5015
Elymus repens 1186
Saskatchewan
Agropyron cristatum, Artemisia frigida 1617
Agropyron desertorum, Agropyron desertorum 2459
Artemisia frigida 892, 4329
barley
Avena fatua 1189
Cirsium arvense 47, 1595
Elymus repens 47
rape, as weeds 1189
Sinapis arvensis 1189
Sonchus arvensis 47

Canada *cont.*
Saskatchewan *cont.*
Bromus inermis
Agropyron cristatum 4371
Artemisia frigida 1617
Chenopodium album 2456
Melilotus officinalis 4371
Thlaspi arvense 2456
fallow
Cirsium arvense 47, 2413
Elymus repens 47
Sonchus arvensis 47
Festuca, Bromus inermis 3302
Festuca altaica
Bromus inermis 3302
Symphoricarpos occidentalis 1206
flax
Cirsium arvense 47
Elymus repens 47
Sonchus arvensis 47
herbicide residues
drought 3135
lakes 3135
salinity 3135
sediment 3135
zooplankton 3135
Indian mustard 1650, 4912
lucerne 4567
pastures
Agropyron desertorum 2459
Artemisia frigida 1617
peas 1215
rangelands, *Artemisia frigida* 1617
rape 3236, 4912
Cirsium arvense 47
Elymus repens 47
Sonchus arvensis 47
Sinapis alba 1650
triticale 1887
weeds
herbicide resistance 1806
Matricaria perforata 955
prairies 1806
wheat 145, 1472, 2377, 4912
Avena fatua 1993, 4170
Cirsium arvense 47, 1595
Elymus repens 47
Sonchus arvensis 47
Canal banks
Asteraceae, surveys 1407
Cyperus, surveys 1407
Epilobium, surveys 1407
Galium, surveys 1407
India 3005
Poa, surveys 1407
Poaceae, surveys 1407
Polygonum, surveys 1407
Potentilla, surveys 1407
Ranunculus, surveys 1407
Veronica, surveys 1407
weeds
erosion 3005
nutrient availability 3005
plant communities 2621
spatial distribution 2621
water relations 3005
Canals
aquatic weeds
Egypt 2151
water flow resistance 2151
Potamogeton gramineus, USA 415
Potamogeton nodosus, USA 415
Potamogeton pectinatus, USA 415, 422
woody weeds
chemical control 2529
Croatia 2529
Canavalia brasiliensis, Brazil 1999
Canavalia ensiformis
Brazil 1999
Rottboellia cochinchinensis, Costa Rica 1604
Canna
Conyza canadensis, USA 2896
Digitaria sanguinalis, USA 2896
Euphorbia humistrata, USA 2896
herbicides
development 2896
flowering 2896
growth rate 2896
tolerance 2896
Cannabis sativa (*see* Hemp)

Canola (*see* Rape)
Cantaloupes (*see* Melons)
Cape Verde
weed control, integrated control 4314
weeds
Delilia biflora 2642
introduction 2642
Capparis, urban areas, plant communities 2614
Capsella bursa-pastoris
biology
chlorophyll 1427
chromosome number 89
cutin 1427
development 1427
emergence 3902
enzymes 89
genes 89
genetic variation 89
glutamate dehydrogenase 89
reproduction 932
carrots, Switzerland 1632
control
chemical control 725, 1630, 1632, 2058, 3811
cultural control 4639
physical control 2058, 4639
ecology
dispersal 932
emergence 932
plant competition 932
hosts, fungi 547
Lolium multiflorum
emergence 3902
seed dormancy 3902
soil types 3902
soil water 3902
rape, hosts of plant diseases 547
seeds
embryos 1427
seed dormancy 3902
seed germination 3902
soil types 3902
utilization, medicinal plants 4597
wheat
economic thresholds 2654
growth rate 2654
plant competition 2654
population density 2654
Capsella grandiflora
biology
chromosome number 89
enzymes 89
genes 89
genetic variation 89
glutamate dehydrogenase 89
Capsella rubella
biology
chromosome number 89
enzymes 89
genes 89
genetic variation 89
glutamate dehydrogenase 89
Capsicum
algae
biological control 862
chemical control 862
Amaranthaceae, occurrence 1796
Amaranthus
hosts of plant diseases 93
Spain 93
Amaranthus retroflexus, plant competition 3718
Asteraceae, occurrence 1796
Chenopodium album, plant competition 3718
Datura
hosts of plant diseases 93
Spain 93
Digitaria sanguinalis, plant competition 3718
Echinochloa crus-galli, plant competition 3718
Euphorbiaceae, occurrence 1796
herbicides
damage 2839
growth rate 2839
morphology 2839
residual effects 2839
yields 3332
Italy 3718
Capsicum *cont.*
Korea Republic 2839
Nicotiana alba
hosts of plant diseases 93
Spain 93
Poaceae, occurrence 1796
Portulaca oleracea, plant competition 3718
Portulacaceae, occurrence 1796
Romania 3332
Solanum nigrum, plant competition 3718
weed control
application date 3718
economics 3718
weeds
biological control 862
chemical control 721, 862, 2410, 4153
integrated control 4154
occurrence 1796
Capsicum annuum
Amaranthus blitoides, nutrient uptake 2195
Amaranthus retroflexus
allelopathy 4385
nutrient availability 4385
nutrient uptake 2195
seed germination 4385
Chenopodium album, nutrient uptake 2195
Chenopodium murale
allelopathy 4385
nutrient availability 4385
seed germination 4385
Cyperus esculentus
growth rate 2493
tubers 2493
Datura ferox, nutrient uptake 2195
Datura stramonium, identification 2230
Fallopia convolvulus, identification 2230
herbicides
application date 2492
application rates 207
carotenoids 2375
chlorophyll 2375
cotyledons 2375
damage 207, 2493
enzymes 2375
growth rate 207, 2492-2493
isomerases 2375
plant pests 2493
tolerance 207, 2375, 2492
transferases 2375
yields 774, 1638
India 774
Polygonum lapathifolium, identification 2230
Polygonum persicaria, identification 2230
Solanum nigrum
nutrient uptake 2195
plant competition 2535
Spain 2535
yields 2535
Solanum viarum, hosts of plant diseases 2275
Spain 2228
USA 1638, 4527
weed control
labour requirements 1638
yields 774, 1638
weeds
soil types 2228
surveys 2228
Capsicum frutescens
Cynodon dactylon
control 3496
Indonesia 3496
plant competition 3496
herbicides, yields 1218
Ottochloa arnotiana
control 3496
Indonesia 3496
plant competition 3496
Polytrias amaura
control 3496
Indonesia 3496
plant competition 3496
Puerto Rico 1218
weed control, yields 1218
Carbamate herbicides
adenosinetriphosphatase
potatoes 2370
turnips 2370
amidase
Echinochloa colonum 3220
rice 3220
analytical methods, thin layer chromatography 2305
enzymes
Echinochloa colonum 3220
potatoes 2370
rice 3220
turnips 2370
mitochondria
potatoes 2370
turnips 2370
mode of action
potatoes 2370
turnips 2370
oxygen
potatoes 2370
turnips 2370
residues
drinking water 2305
soil 2745
water 2305
soil, degradation 2745
Carbamate, 1-methylethyl (3-chloro-4-hydroxyphenyl)- 195
Carbamate, 1-methylethyl (3-chloro-2-hyrdoxyphenyl)- 195
Carbamate, 1-methylethyl 3-chlorophenyl- 195
Carbetamide
control
cereals, as weeds, rape 2498
Galium aparine, rape 2498
Papaver, rape 2498
Poaceae, rape 2498
Sinapis arvensis, rape 2498
Stellaria media, rape 2498
weeds
lettuces 3335
Lotus corniculatus 4203
rape 2498
cytology, oats 217
establishment, *Lotus corniculatus* 4203
microtubules, oats 217
mitosis, oats 217
mode of action, oats 217
residues
aquifers 2300
drinking water 2300
groundwater 2300
river water 2300
soil 2300, 2323, 4918
surface water 2300
water 2300
wells 2300
seed germination
Galium aparine 4765
Matricaria perforata 4765
wheat 4765
soil
movement 2300
organic matter 2323
soil types 4918
soil water 4918
sorption 2323, 4918
yield components, *Lotus corniculatus* 4203
yields, lettuces 3335
Carboxamide, 2-((4,6-dimethoxy-pyrimidin-2-yl-aminocarbonyl)aminosulfonyl)-*N,N*-dimethyl-3-pyridine- 1553
Carboxamide, N,N-dimethyl-1-adamantane- 110
Carboxamides, 3-aryl-5-(haloalkyl)-4-isoxazole- 2280
Carboxamides, 5-hydroxy-3-methyl-2-oxo-imidazolidine-1- 4111-4112
Carboxylate, methyl-5-[(4,6-dimethoxy-2-pyrimidinyl) amino]carbonylaminosulfonyl-3-chloro-1-methyl-1-*H*-pyrazol-4- 2094
Carboxylate, methyl-5-[(4,6-dimethoxy-2-pyrimidinyl) amino]carbonylaminosulfonyl-3-chloro-1-methyl-1-*H*-pyrazole-4- 3680

Carboxylic acid, 4-(cyclopropyl-α-hydroxymethylene)-3-5-dioxocyclohexan- 1521
Carboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-5-methyl-3-pyridine- 324, 1127, 1229, 1239, 2154, 2468, 2470
Cardamine flexuosa, biology, senescence 930
Cardamine parviflora
control
chemical control 2418
cultural control 2418
Cardamine pratensis
biology
chromosome number 1370
identification 1370
taxonomy 1370
ecology, distribution 1370
Cardaria draba
biology
development 1824
enzymes 3917
flowering 1824
polypeptides 3917
rhizomes 1824
ribulose-bisphosphate carboxylase 3917
roots 1824
taxonomy 3917
translocation 1824
water relations 1824
ecology
drought 1824
phenology 1824
soil water 1824
water relations 1824
USA 1824
Cardiospermum halicacabum
biology
flowering 1359
fruiting 1359
ecology, distribution 1359
Carduus
biology, life cycle 498
fallow
occurrence 498
surveys 498
Carduus acanthoides
biology, pollen 4599
control
biological control 2455
cultural control 486
Denmark 550
ecology
establishment 486
nickel 4599
fallow, Argentina 486
Festuca arundinacea
Argentina 486
plant competition 486
hosts, insects 550, 4435
lucerne
Argentina 486
plant competition 486
seeds
light 486
seed germination 486
seed predation 486
soil water 486
viability 486
utilization, indicator plants 4599
Carduus nutans
biology
composition 3977
development 3053
emergence 3053
flowering 3053
growth rate 3053
linalool 3977
nectar 3977
Bromus willdenowii
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
control
biological control 1019, 4767
Carduus nutans *cont.*
control *cont.*
chemical control 815, 4198
Dactylis glomerata
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
ecology
cycling 3927
decomposition 3927
demography 1798
nutrient content 3927
population dynamics 4767
rhizosphere 4935
Festuca arundinacea
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
France 4767
grasslands
invasion 1786
New Zealand 1786
population dynamics 1786
herbicides
adjuvants 4198
chlorophyll 815
decomposition 639
regrowth 815
resistance 4198
selectivity 4198
Holcus lanatus
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
hosts, insects 4435
Lolium perenne
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
lucerne
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
New Zealand 639
pastures
invasion 1786
New Zealand 1786, 4198
population dynamics 1786
Phalaris aquatica
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
Poa annua
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
roadsides, USA 815
seeds
seed predation 4767
seed production 4767
Trifolium pratense
emergence 3053
flowers 3053
Carduus nutans *cont.*
Trifolium pratense cont.
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
Trifolium repens
acetylene 1786
allelopathy 1786
composition 1786
emergence 3053
flowering 1786
flowers 3053
growth rate 1786
invasion 3053
life history 3053
New Zealand 1786, 3053
nitrogen fixation 1786
nodulation 1786
plant competition 1786, 3053
survival 3053
Trifolium subterraneum
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
utilization
bioremediation 4935
green manures 3927
Carduus tenuiflorus
biology
biosynthesis 67
composition 67
coumarins 67
flavonoids 67
lignans 67
terpenoids 67
Carduus thoermeri
control, biological control 1021, 2455
hosts, insects 1021
Carex
ecology
distribution 2680
population dynamics 2680
hosts, fungi 546
Russia 2680
Carex aquatilis
ecology
colonizing ability 417
plant communities 417
Carex chordorhiza, utilization, medicinal plants 3248
Carex lasiocarpa
ecology
colonizing ability 417
plant communities 417
Carex riparia, hosts, fungi 546
Carex stenophylla, hosts, fungi 546
Caribbean
weed control, conferences 875
weeds
conferences 875
rice 875
Carpinus caroliniana
control, chemical control 820, 5137
herbicides
application date 820, 5137
carriers 820, 5137
USA 5137
Carrots (*Daucus carota*)
Amaranthus retroflexus
allelopathy 4385
nutrient availability 4385
seed germination 4385
as weeds
biology
anthocyanins 1503
cell culture 1503
composition 1503
enzymes 1503
nucleotidase 1503
plant growth regulators 1503
control, chemical control 3389, 3391
ecology
distribution 951
disturbed land 951
habitats 951

Carrots *cont.*
as weeds *cont.*
ecology *cont.*
invasion 951
population density 951
soil types 951
Canada 1033
Capsella bursa-pastoris, Switzerland 1632
Chenopodium album
allelopathy 485
growth rate 485
seed germination 485
Switzerland 1632
Chenopodium murale
allelopathy 4385
nutrient availability 4385
seed germination 4385
Echinochloa crus-galli, Switzerland 1632
herbicides
amino acids 1140, 1546, 3691
application date 1632
application rates 1632
bioassays 1463, 1546
cell culture 1463, 1546
cell suspensions 1140
composition 3691
damage 1632
degradation 200, 1033, 1140
economics 1632
enzymes 1140
growth rate 1463
mode of action 1546
oxygen 1546
residues 1033
respiration 1546
roots 3691
tolerance 200, 1140
uptake 1140
Italy 767
Mexico 4217
Orobanche
damage 2933
host parasite relationships 2933
Orobanche cumana, host parasite relationships 2877
Poland 3691
Portugal 5016
Russia 2483, 3723
Sweden 3327, 3807
Switzerland 3722
weed control
application date 3807
beneficial insects 3722
damage 3807
quality 3327
soil flora 3723
yields 3327, 3807, 5016
weeds
chemical control 721, 1548, 2410, 4153, 4217
control 1588
physical control 4987
Carthamus lanatus
biology, identification 1367
India 1367
Carthamus tinctorius (*see* Safflower)
Carya
control
chemical control 351, 820
physical control 351
herbicides
application date 820
carriers 820
Pinus taeda
growth rate 351
plant competition 351
plant height 351
yields 351
Carya illinoensis (*see* Pecans)
Carya pecan (*see* Pecans)
Carya texana
control, chemical control 5137
herbicides
application date 5137
carriers 5137
USA 5137
Carya tomentosa
control, chemical control 821, 5137
forests, plant competition 821
Carya tomentosa *cont.*
herbicides
application date 821, 5137
carriers 5137
economics 821
tree injection 821
USA 5137
Caryophyllaceae
amenity and recreation areas, plant communities 2661
mountains, plant communities 2661
roads, plant communities 2661
sugarbeet, surveys 3511
trails, plant communities 2661
Cassava (*Manihot esculenta*)
Melinis repens, Zambia 2825
Nigeria 95, 2425
weed control
leaf area index 2425
yields 2825
weeds
hosts of plant pests 95
light 2425
plant communities 2825
plant competition 2425
population density 2825
yields 2825
Cassia obtusifolia
biology
evolution 4780
growth rate 926
leaf area 926
taxonomy 4780
control
chemical control 502, 1644, 2154, 2435, 2468, 2470-2471, 3376
cultural control 502, 2435, 2471
integrated control 2468, 2471
physical control 502, 2435, 2468
cotton
economic thresholds 946
USA 946
ecology
carbon dioxide enrichment 926
establishment 946
temperature 926
fallow
plant succession 502
population dynamics 502
groundnuts
economic thresholds 946
light 4373
plant competition 4373
shading 4373
USA 946, 4373
yields 4373
herbicides
application rates 2154
bioassays 2320-2321
degradation 648
growth rate 2154, 2320-2321
rain 2154
roots 2320-2321
translocation 648
uptake 648, 2154
Ilex cornuta × *I. pernvi* × *I. latifolia,* USA 3376
Lagerstroemia fauriei × *L. indica,* USA 3376
maize
economic thresholds 946
USA 946
ornamental plants, USA 3376
Quercus virginiana, USA 3376
rye
plant succession 502
population dynamics 502
seeds
seed banks 502, 2435
seed production 946
sorghum
plant succession 502
population dynamics 502, 2435
soyabeans, USA 2468, 2470-2471
USA 2154
Viburnum utile, USA 3376
Cassia occidentalis
Chenopodium album
allelopathy 1400
growth rate 1400
seed germination 1400
Cassia occidentalis *cont.*
control, chemical control 1644, 2503, 5066
soyabeans
plant competition 5066
USA 5066
Cassia rotundifolia, Brazil 283
Cassia tora
biology
evolution 4780
taxonomy 4780
Brassica campestris, hosts of plant diseases 4433
ecology
air pollution 3503
distribution 3503
plant communities 3503
population dynamics 3503
hosts, fungi 544
lentils, hosts of plant diseases 4433
okras, hosts of plant diseases 4433
Ricinus communis, hosts of plant diseases 4433
Vigna mungo, hosts of plant diseases 4433
Cassinia arcuata
Australia 1669
control, physical control 1669
Castor beans (*see Ricinus communis)*
Catharanthus roseus
biology
alkaloids 2268
cell membranes 2268
cell suspensions 2268
composition 1433, 2268
enzymes 1433, 1822, 2268
glutamate-ammonia ligase 1433
phospholipids 2268
plant growth regulators 2268
sterols 1822, 2268
terpenoids 1822
herbicides
carotenoids 4561
cell culture 1508, 4448, 4561
cell suspensions 2268
chlorophyll 4561
enzyme inhibitors 4561
enzymes 4561
gene expression 1508
indole alkaloids 1508
mode of action 4561
phytoene 4561
proteins 1508
Cauliflowers (*Brassica oleracea* var. *botrytis*)
algae
biological control 862
chemical control 862
Amaranthus hybridus, USA 3334
Amaranthus retroflexus
allelopathy 4385
nutrient availability 4385
seed germination 4385
Chenopodium murale
allelopathy 4385
nutrient availability 4385
seed germination 4385
herbicides
damage 3334
economics 4604
yields 2490, 3334, 4604
India 4604
Poland 2490
UK 4219
weed control
economics 4604
yields 4219, 4604
weeds
biological control 862
chemical control 862, 2410, 2490, 4219
control 1588
Celastrus orbiculatus
ecology
invasion 977
population dynamics 977
surveys 977
forests
colonizing ability 1253
distribution 1253
invasion 1253

Celastrus orbiculatus *cont.*
forests *cont.*
plant succession 1253
population density 1253
USA 1253
Celeriac (*Apium graveolens* var. *rapaceum*)
herbicides, yields 2485
Poland 2485
weeds, chemical control 2485
Celery (*Apium graveolens*)
Amaranthus spinosus
allelopathy 1787
growth rate 1787
Cyperus iria
allelopathy 1787
growth rate 1787
Digitaria sanguinalis
allelopathy 1787
growth rate 1787
Echinochloa crus-galli
allelopathy 1787
growth rate 1787
herbicides
parenchyma 1519
phloem 1519
uptake 1519
Orobanche
damage 2933
host parasite relationships 2933
Portulaca oleracea
allelopathy 1787
growth rate 1787
Setaria viridis
allelopathy 1787
growth rate 1787
Sinapis arvensis
allelopathy 1787
growth rate 1787
Solanum nigrum
allelopathy 1787
growth rate 1787
weeds
chemical control 721
control 770
Celosia
biology
nomenclature 1369
taxonomy 1369
Celosia argentea
biology
anatomy 4414
crystals 4414
leaves 4414
petioles 4414
stomata 4414
taxonomy 4414
vascular system 4414
control
chemical control 4204-4205, 4232
cultural control 4205
physical control 4205, 4232
hosts, fungi 2705
Pakistan 2705
utilization, vegetables 4414
Celosia argentea* var. *cristata
biology
anatomy 4414
crystals 4414
leaves 4414
petioles 4414
stomata 4414
taxonomy 4414
vascular system 4414
Celosia argentea* var. *plumosa
herbicides
application rates 1240
surfactants 1240
tolerance 1240
Celosia laxa
biology
anatomy 4414
crystals 4414
leaves 4414
petioles 4414
stomata 4414
taxonomy 4414
vascular system 4414
cereals
population dynamics 4384
soil fertility 4384
Celosia laxa *cont.*
maize
population dynamics 4384
soil fertility 4384
Celosia trigyna
biology
anatomy 4414
crystals 4414
leaves 4414
petioles 4414
stomata 4414
taxonomy 4414
vascular system 4414
Cenchrus ciliaris
biology, growth rate 466
ecology
fertilizers 466
spread 6
temperature 466
wind effects 466
India 466
seeds
seed dispersal 6
seed production 466
Centaurea, control, biological control 104, 106
Centaurea calcitrapa
hosts
insects 104
Nematoda 104
pathogens 104
Centaurea cyanus
barley
nutrient content 38
plant competition 38
quality 38
yields 38
fallow
colonizing ability 496
species diversity 496
utilization, medicinal plants 4597
wheat
nutrient content 38
plant competition 38
quality 38
yields 38
Centaurea diffusa
biology
flowers 4770
genetic variation 4770
pigments 4770
pollination 4770
reproduction 4770
sugars 4770
control, biological control 566, 2455
Datura stramonium, hosts of plant diseases 566
ecology, invasions 4770
hosts
bacteria 566
beneficial insects 4770
sunflowers, hosts of plant diseases 566
tobacco, hosts of plant diseases 566
tomatoes, hosts of plant diseases 566
Centaurea diluta
barley, plant competition 41
triticale, plant competition 41
wheat, plant competition 41
Centaurea iberica
hosts
insects 104
Nematoda 104
pathogens 104
Centaurea maculosa
biology
carbohydrates 2035
composition 2035
flowers 4770
genetic variation 4770
metabolism 1825
plant diseases 1825
pollination 4770
reproduction 4770
sugars 4770
control
biological control 566, 1441, 2455
chemical control 2035, 3389, 3391
cultural control 2035, 3300
Datura stramonium, hosts of plant diseases 566
Centaurea maculosa *cont.*
ecology
herbivores 2035
invasions 4770
Elymus spicatus
carbohydrates 2035
composition 2035
plant competition 2035
hosts
bacteria 566
beneficial insects 4770
rangelands, spread 2035
seeds
embryos 3899
seed dispersal 3899
seed germination 3899
temperature 3899
viability 3899
sunflowers, hosts of plant diseases 566
tobacco, hosts of plant diseases 566
tomatoes, hosts of plant diseases 566
USA 1441
Centaurea picris *(see Acroptilon repens)*
Centaurea repens *(see Acroptilon repens)*
Centaurea scabiosa
Germany 549, 3539
hosts, insects 549, 3539
Centaurea solstitialis
Agropyron desertorum
invasion 954
light 954
plant competition 954
shading 954
soil water 954
USA 954
biology
composition 376
cotyledons 887
emergence 887
flowers 954, 4770
growth rate 954
leaf area 2250
leaves 954
life history 2250
light 954
plant diseases 2249
plumules 887
pollination 4770
radicles 887
reproduction 4770
roots 887, 954, 2250
sesquiterpenoid lactones 376
shoots 887
sugars 4770
control 2249
biological control 106, 1020, 2455, 3996
ecology
carbon dioxide enrichment 2249
climate 2249
fertilizers 2249
insects 2249
introduction 954
light 954
nutrient availability 2249
plant competition 2249-2250
population density 2250
soil water 954
spread 954
water relations 2249
Elymus hispidus
invasion 954
light 954
plant competition 954
shading 954
soil water 954
USA 954
Elymus spicatus
invasion 954
light 954
plant competition 954
shading 954
soil water 954
USA 954
herbicides, seed germination 887
hosts
beneficial insects 4770
insects 104, 106, 1020
Nematoda 104
pathogens 104
Italy 1020

Centaurea solstitialis *cont.*
seeds
seed banks 2249-2250
seed germination 887, 2249
seed predation 3996
seed production 2250
toxicity, horses 376
USA 2250
Centaurea virgata
hosts
insects 104
Nematoda 104
pathogens 104
Cerastium fontanum
control, physical control 1740
ecology
mycorrhizas 4782
plant competition 4782
seeds
buried seeds 1740
light 1740
seed germination 1740
weed control, seed germination 1740
Cerastium glomeratum
control
chemical control 2460, 4197
cultural control 4637
integrated control 4637
physical control 2460
Lolium perenne, population dynamics 4637
pastures, population dynamics 4637
Cerastium holosteoides *(see Cerastium fontanum)*
Ceratiola ericiodes
Leptochloa dubia
allelopathy 1784
growth rate 1784
seed germination 1784
terpenoids 1784
Schizachyrium scoparium
allelopathy 1784
growth rate 1784
seed germination 1784
terpenoids 1784
Ceratocephalus falcatus, hosts, fungi 546
Ceratophyllum demersum
biology
composition 4743
fatty acids 4743
glycolipids 4743
lipids 4743
phospholipids 4743
photosynthesis 1716
ecology
habitats 1299, 1716
nutrient availability 1299
population density 1716
population dynamics 1306
temperature 1716
water quality 1299
weed associations 1299
lakes, USA 1306
water reservoirs
China 1716
population density 2568
Ceratopteris richardii
biology
cell culture 5010
cells 5010
development 5010
genetics 4769, 5010
growth 5010
mutants 4769
plant growth regulators 4769
reproduction 4769
sex 4769
ecology, population dynamics 5010
utilization
models 5010
teaching materials 5010
Ceratopteris thalictroides
biology
chromosome number 25
cytology 1713
diploidy 25
genes 25
hybridization 24
pollen 1713
polyploidy 25
Ceratopteris thalictroides *cont.*
biology *cont.*
restriction fragment length polymorphism 24-25
taxonomy 1713
ecology, distribution 1713
Cercis canadensis
control
chemical control 4693
physical control 4693
herbicides, susceptibility 4693
Cereals
Alectra
development 398
host parasite relationships 398
resistance 398
seed germination 398
Apera spica-venti
Germany 262, 5019
plant competition 262
population dynamics 5019
Arisarum vulgare, surveys 1402
as weeds 44, 47, 310
control, chemical control 2498
sorghum, plant competition 4363
Avena
chemical control 4159
control 3750
Poland 4159
Avena fatua, occurrence 1813
Avena sterilis, surveys 974
Belgium 5017
Bhutan 50
Bifora testiculata, surveys 974
Bromus
cultural control 1404
distribution 1404
physical control 1404
population density 1404
spatial distribution 1404
surveys 1404
Bromus commutatus
distribution 1404
spatial distribution 1404
surveys 1404
Bromus diandrus
distribution 1404
spatial distribution 1404
surveys 1404
Bromus hordeaceus
distribution 1404
spatial distribution 1404
surveys 1404
Bromus × *pseudothominii*
distribution 1404
spatial distribution 1404
surveys 1404
Bromus rigidus, surveys 974
Bromus secalinus
distribution 1404
spatial distribution 1404
surveys 1404
Bromus sterilis
distribution 1404
spatial distribution 1404
surveys 1404
Canada 5021
Celosia laxa
population dynamics 4384
soil fertility 4384
Chenopodium album
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Cirsium arvense
Germany 5019
population dynamics 5019
soil types 4809
surveys 4809
UK 4611
Commelina
population dynamics 4384
soil fertility 4384
Convolvulus, surveys 1402
Czech Republic 2811
Dactyloctenium aegyptium
population dynamics 4384
soil fertility 4384
Denmark 3751
Cereals *cont.*
Eclipta prostrata
population dynamics 4384
soil fertility 4384
Elymus repens
distribution 3951
Germany 262
plant competition 262
population density 3951, 4399
soil pH 3951
soil types 3951, 4809
surveys 4399, 4809
Erysimum cheiranthoides
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Euphorbia dentata, occurrence 1803
Fallopia convolvulus
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Fumaria
population density 3953
seed banks 3953
surveys 3953
Fumaria parviflora, surveys 974
Galeopsis tetrahit
population density 4399
surveys 4399
Galium aparine
Germany 3253
Poland 4158
UK 4611
Germany 184, 933, 1987, 3253, 3651, 3716
herbicides
application date 263, 3753, 4095, 4312, 4399, 4611
application rates 263-266, 694, 1988, 2406, 2415, 3307, 3756, 4312-4313
climate 3651
damage 2414-2415
degradation 1888
drift 3307
economic thresholds 265-266
economics 4312-4313
environmental impact 3745, 3752
plant diseases 2338
residual effects 2415, 5022
residues 112, 118, 1888, 2724
roots 4095
soil types 2415
surfactants 3756
temperature 4611
tolerance 3745
transpiration 4095
uptake 3651, 4095
variety trials 5018
weather 4312
yields 265-266, 2415, 4158
Ipomoea
population dynamics 4384
soil fertility 4384
Kyllinga squamulata
population dynamics 4384
soil fertility 4384
Lamium
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Lapsana communis
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Leucanthemum vulgare
population density 4399
surveys 4399
Leucas martinicensis
population dynamics 4384
soil fertility 4384
Ludwigia hyssopifolia
population dynamics 4384
soil fertility 4384
Myosotis arvensis
distribution 3951
population density 3951

Cereals *cont.*
Myosotis arvensis cont.
soil pH 3951
soil types 3951, 4809
surveys 4809
Nigeria 4384
Oldenlandia corymbosa
population dynamics 4384
soil fertility 4384
Papaver rhoeas, surveys 974
Poa annua
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Poland 724-725, 2810, 2812, 4607
Polygonum aviculare
population density 3953
seed banks 3953
soil types 4809
surveys 3953, 4809
Polygonum lapathifolium
distribution 3951
population density 3951
soil pH 3951
soil types 3951
potatoes, as weeds, UK 4611, 5101
Raphanus raphanistrum, chemical control 3034
Rumex
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Rumex acetosella
population density 4399
surveys 4399
Russia 2415
Silene vulgaris, surveys 1402
Sinapis arvensis, surveys 974
Slovakia 5022
Sonchus
population density 3953
seed banks 3953
surveys 3953
Spergula arvensis
distribution 3951
population density 3951, 4399
soil pH 3951
soil types 3951
surveys 4399
Spermacoce verticillata
population dynamics 4384
soil fertility 4384
Stellaria media
population density 4399
soil types 4809
surveys 4399, 4809
Striga
development 398
host parasite relationships 398
resistance 398
seed germination 398
Striga hermonthica, host parasite relationships 4732-4733
Switzerland 3942
UK 264-266, 3630, 3953, 4312-4313
Vaccaria hispanica, surveys 974
Vernonia
population dynamics 4384
soil fertility 4384
Veronica hederifolia, surveys 974
Vicia sativa, surveys 974
Viola arvensis
Poland 4158
population density 3953
seed banks 3953
surveys 3953
weed control
application date 3253
economic thresholds 265-266
economics 1320, 1987, 3253, 3716, 4594, 4607
environmental impact 1320, 3752
yields 265-266, 1989, 3253, 3716, 3751, 5017, 5021
weeds
chemical control 261, 265-266, 724, 1184, 2412, 3254, 3716, 3745, 3754, 3756, 4312-4313
climate 1403

Cereals *cont.*
weeds *cont.*
control 50, 1588, 3744, 5182
cultural control 50
distribution 1403
disturbed land 3504, 3942
economics 933
establishment 3942
farming systems 4384
growth rate 933
integrated control 3756
minerals 933
physical control 3756, 5020
plant competition 262, 931, 933, 3751, 4313, 5019
plant succession 3942
population density 3751, 3953, 4807-4809
population dynamics 3504, 4313, 5019
quality 3254
reproduction 4313
resistance 4608
seed banks 3953
soil types 1403, 4807-4809
species diversity 3942, 4807-4809
spread 3942
surveys 50, 1402, 3953, 4399
tillering 938
water 933
weed associations 4384
yields 3254, 4607
CGA 163935 1521
CGA 24704 4550
CGA 248757 4643
CGA 26423 3193
CGA 82725 195
Chad
weed control, integrated control 4314
weeds
Asteraceae 2607
Convolvulaceae 2607
Chamaecyparis obtusa
Japan 3840
weed control, growth rate 3840
Chamaecytisus hirsutus
Cuscuta platyloba
composition 1697
host parasite relationships 1697
quinolizidine alkaloids 1697
translocation 1697
Cuscuta reflexa
composition 1697
host parasite relationships 1697
quinolizidine alkaloids 1697
translocation 1697
Chamaemelum mixtum
grapes
distribution 2229
Portugal 2229
soil texture 2229
Chamaenerion angustifolium (*see Chamerion angustifolium)*
Chamerion angustifolium
biology
flowering 4799
genetic variation 4799
genetics 4781
life history 4799
pollination 4781
reproduction 4781, 4799
vegetative propagation 4789
control
chemical control 4246
physical control 4246
ecology
colonizing ability 4789
fertilizers 4789
plant competition 4789
temperature 4789
grasslands
distribution 4799
habitats 4799
pH 4799
phenology 4799
plant communities 4799
population dynamics 4799
UK 4799
seeds, seed germination 4781
Chamomile (*see Chamomilla recutita)*

Chamomilla recutita
barley
fertilizers 480
plant competition 480
yields 480
control, chemical control 1929
fallow
colonizing ability 496
species diversity 496
herbicides
adjuvants 225
application date 209, 1929
application rates 209, 1929
chlorophyll 225
emergence 209
flowering 209
growth rate 209
leaves 225
seed germination 209
seed production 209, 1530, 1929
seed size 1929
seed weight 1530
uptake 225
hosts
pathogens 2081
viruses 2081
seeds, seed production 209
tobacco
economics 2081
light 2081
mineral nutrition 2081
plant competition 2081
water relations 2081
wheat
fertilizers 480
plant competition 480
yields 480
Chamomilla suaveolens, control, chemical control 3811
Channels, aquatic weeds, water flow resistance 3007
Chara corallina
biology
electrical stimulation 4747
membrane permeability 4747
plasma membranes 4747
Chenopodiaceae
biology
carbon pathways 489
sexual reproduction 2255
herbicides, antagonism 3235
Chenopodium
control, chemical control 1623, 2069, 2875
herbicides, resistance 663
Lotus corniculatus, Czech Republic 1623
sugarbeet
chemical control 2069
control 2069
Chenopodium album
Artemisia
fire effects 3057
plant communities 3057
regrowth 3057
aubergines
control 2053
India 2053
nutrient uptake 2053
barley
population density 494
surveys 494
biology
allelopathins 1920
amino acids 1006
betacyanins 3533
branching 3046
carboxy-lyases 1833
carotenoids 1839, 3533
catalase 3972
cell culture 989, 1826, 3533
cell suspensions 989
cell walls 988-989, 1826, 4420
chlorophyll 1839, 3972
chlorophyllase 3087
composition 988, 1006, 1831, 1833, 1920, 2403, 2700, 3533
development 3046, 4354
dextran 4420
digestibility 1179
energy content 1179
enzymes 1833, 3087, 3972

Chenopodium album *cont.*
biology *cont.*
epidermis 1840
exudates 4542
exudation 554
flavonoids 3533
flowering 3046
fruiting 3046
growth rate 55, 2681-2682, 3046, 3918, 4354
kinases 1833
leaf area 3046
leaves 1831, 1840
lectins 1826
life cycle 3031
light 1839-1840, 3533
mevalonic acid 1833
morphology 3046
nitrogen 1006
oxygen 3972
phenolic compounds 2700
photosynthesis 1831, 1839
pigments 1831, 1839
plant growth regulators 3533, 4542
plant height 2681-2682, 3046
plasma membranes 4420
proteins 1179, 3533, 3972
protoplasts 1840
reproduction 3031, 3046
respiration 3533
roots 2700, 3918
shoots 3046
stomata 1840
sugars 4420
superoxide dismutase 3972
tissue culture 4420
ultraviolet radiation 1840
zeaxanthin 1831, 1839
Bromus inermis, Canada 2456
cabbages
growth rate 4795
nutrient uptake 4795
plant competition 4795
potassium 4795
Capsicum, plant competition 3718
Capsicum annuum, nutrient uptake 2195
carrots
allelopathy 485
growth rate 485
seed germination 485
Switzerland 1632
Cassia occidentalis
allelopathy 1400
growth rate 1400
seed germination 1400
cereals
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Chenopodium quinoa, UK 295
chickpeas
allelopathy 1400
growth rate 1400
seed germination 1400
control
biological control 3544, 4850-4851
chemical control 277, 287, 295, 315, 498, 733, 735, 764, 903, 1167, 1211, 1216, 1394, 1562, 1630, 1632, 1648, 2006, 2196, 2221, 2431, 2435, 2456, 2509, 2524, 2797, 2807, 2810, 2817, 2820, 2880, 3237, 3261, 3263, 3326, 3382, 3389, 3718, 3741, 3792, 3794, 3842, 4165-4166, 4182, 4185, 4216, 4225, 4233, 4455, 4549, 4621, 4650, 4702, 5059, 5098
cultural control 277, 1211, 1624, 2068, 2196, 2431, 2435, 2829, 3031, 3261, 3465, 3794, 4364, 5082
integrated control 287, 2196, 2431, 2524, 2817, 3261, 3389, 3718, 4185
physical control 277, 287, 764, 903, 1211, 1394, 1624, 2006, 2221, 2431, 2435, 2524, 2583, 2817, 3031, 3261, 3326, 3389, 3718,

Chenopodium album *cont.*
control *cont.*
physical control *cont.* 3794, 3808, 3884, 3903, 4165-4166, 4185, 4233, 4650, 5082
cucumbers
allelopathy 485, 1400
growth rate 485, 1400
seed germination 485, 1400
ecology
allelopathy 1920
biotypes 55
cadmium 3044
carbon dioxide enrichment 3046
copper 3044
cycling 3927
decomposition 3927
distribution 2681
emergence 2681, 3465, 3903
fertilizers 3465
habitats 1839
heavy metals 3044
invasion 498
lead 3044
light 1839, 2681
Nematoda 4813
nitrogen 1006, 3046
nutrient availability 1006, 3046
nutrient content 2195, 3044, 3918, 3927, 4354, 4795
nutrient uptake 3044, 3918, 4354, 4795
plant competition 55, 2681, 4354, 4364
plant succession 3046
population density 2681-2682, 3031, 3903
shading 1839
soil pollution 3044
survival 2681
zinc 3044
fallow
colonizing ability 496
occurrence 498
species diversity 496
surveys 498
fodder beet, Denmark 3808
Germany 1006
grasslands
fire effects 3057
plant communities 3057
regrowth 3057
herbicides
adjuvants 1167, 1566
application date 209, 2797
application rates 209, 2797, 3741
betacyanins 3533
bioassays 1463
cell culture 1463, 3533
chlorophyll 2252
degradation 1120, 1511, 4549
emergence 209
enzymes 4549
flowering 209
growth rate 209, 1463, 1511
light 3533
membrane permeability 1517
mode of action 4549
nutrient uptake 4650
photosynthesis 2252
plasma membranes 1517
rain 2797
resistance 55, 1320, 2252, 4216
retention 1566
seed germination 209
seed production 209, 1530, 4621
seed weight 1530
selectivity 1511
surfactants 1517, 1566
translocation 1120, 1511
uptake 1120, 1511, 1517, 1566
hosts, insects 97, 554, 3106
India 3044
Japan 2681-2682
lentils, USA 2797
lettuces
allelopathy 485
growth rate 485
seed germination 485
lucerne
allelopathy 3058

Chenopodium album *cont.*
lucerne *cont.*
emergence 3058
growth rate 3058
seed germination 3058
survival 3058
maize
chemical control 903
composition 2115
control 1320
flowering 2225
France 52
fruiting 2225
life cycle 2225
nitrates 2115
nutrient content 2115
nutrient uptake 2195-2196
plant competition 1776, 3718
population dynamics 2225
spatial distribution 52
surveys 2252
Switzerland 2115
USA 903, 2431, 2829
yields 903, 1776
Netherlands 1167
New Zealand 3903
oats
allelopathy 485
growth rate 485
population density 494
seed germination 485
surveys 494
onions
allelopathy 485
Denmark 3808
growth rate 485
plant competition 3718
seed germination 485
Phaseolus vulgaris, nutrient uptake 2196
potatoes
control 3935
emergence 3929
nutrient uptake 936
plant competition 936, 3929
Poland 3935
surveys 2221
USA 3929
yields 936
Quercus
fire effects 3057
plant communities 3057
regrowth 3057
radishes
allelopathy 485, 1400, 1920
growth rate 485, 1400, 1920
seed germination 485, 1400, 1920
rye, Canada 1624
seeds
buried seeds 903, 1338
composition 4542
light 3465
plant growth regulators 444
seed banks 5, 903, 1338, 2435, 3031, 3903
seed dispersal 5
seed dormancy 903
seed germination 444, 3465, 3903, 5016
seed longevity 3031
seed predation 4364
seed production 55, 209, 3031
seed quality 1338
seed size 3465
seed weight 4542
soil depth 1338, 5016
soil water 903
stimulants 444
stratification 444
temperature 903, 5016
sorghum, population dynamics 2435
soyabeans
allelopathy 1920
Canada 1624
chemical control 903
growth rate 1920
plant competition 1776, 3718
population density 4388
seed germination 1920
spatial distribution 4388
USA 903, 4388
yields 903, 1776

Chenopodium album *cont.*
squashes
allelopathy 485
growth rate 485
seed germination 485
strawberries, allelopathy 4225
sugarbeet
allelopathy 1401
composition 1401
emergence 3936
Germany 2068
growth rate 1401, 3936
leaf area 3936
leaves 3936
Netherlands 3936
plant competition 2068, 3936
population density 3936
Spain 2232
sugars 1401
surveys 2232
yields 2068, 2232, 3936
sunflowers
allelopathy 485
economic thresholds 1394
growth rate 485
Italy 1394
plant competition 1394, 3718
population density 1394
seed germination 485
tomatoes
allelopathy 485, 1400
growth rate 485, 1400
nutrient uptake 2195
plant competition 3918
seed germination 485, 1400
toxicity, Nematoda 4813
Trifolium alexandrinum, hosts of plant pests 3106
Trifolium incarnatum, USA 2829
triticale, Canada 1624
utilization
antifungal plants 2700
fodder crops 1179
green manures 3927
nematicidal plants 2403
vegetables
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Vigna mungo
allelopathy 1400
growth rate 1400
seed germination 1400
weed control
development 2829
dry matter distribution 2829
emergence 2829
growth rate 2829
wheat
allelopathy 1920
Canada 1624
growth rate 1920
hosts of plant pests 97
population density 494
seed germination 1920
surveys 494
USA 2797
Chenopodium amaranticolor
cucumbers, hosts of plant diseases 3812
herbicides, plant diseases 3812
hosts, viruses 3812
Chenopodium ambrosioides
control
chemical control 4184
physical control 4184
Chenopodium berlandieri
ecology, rhizosphere 4935
utilization, bioremediation 4935
Chenopodium hybridum
biology
ion uptake 1835
nutrient uptake 1835
potassium 1835
sodium 1835
Chenopodium leptophyllum
Artemisia
fire effects 3057
plant communities 3057
regrowth 3057
Chenopodium leptophyllum *cont.*
grasslands
fire effects 3057
plant communities 3057
regrowth 3057
Quercus
fire effects 3057
plant communities 3057
regrowth 3057
Chenopodium murale
aubergines
allelopathy 4385
nutrient availability 4385
seed germination 4385
cabbages
allelopathy 4385
nutrient availability 4385
seed germination 4385
Capsicum annuum
allelopathy 4385
nutrient availability 4385
seed germination 4385
carrots
allelopathy 4385
nutrient availability 4385
seed germination 4385
cauliflowers
allelopathy 4385
nutrient availability 4385
seed germination 4385
control
chemical control 2524
integrated control 2524
physical control 2524
cucumbers
allelopathy 4385
nutrient availability 4385
seed germination 4385
marrows
allelopathy 4385
nutrient availability 4385
seed germination 4385
tomatoes
allelopathy 4385
nutrient availability 4385
seed germination 4385
Chenopodium opulifolium
seeds
seed germination 5016
soil depth 5016
temperature 5016
Chenopodium parviflora, control, chemical control 5059
Chenopodium quinoa
Chenopodium album, UK 295
herbicides, damage 295
Chenopodium rubrum
biology
adenylate kinase 2692
cell culture 996-997, 3085, 4837
chlorophyll 511
electric potential 998
enzymes 2692, 4837
flowering 1107
gene expression 75, 4837
growth rate 1107, 1371
heat shock 997
heat shock proteins 75
light 75, 996-998, 1371, 3085
light harvesting complexes 511
nitrogen 3085
nucleotide sequences 4837
nutrient availability 3085
photoperiodism 1107
photosynthesis 511
photosystem I 511
photosystem II 511
pigments 511
plant growth regulators 1107
proteins 511, 996
source sink relations 4837
stems 1371
sucrose synthase 4837
sugars 4837
temperature 997, 1371
xanthophyll 511
herbicides
cell culture 1137
photosynthesis 1137
photosystem II 1137
proteins 1137
Chenopodium rubrum *cont.*
herbicides *cont.*
resistance 1137
Chenopodium strictum
biology
identification 4777
taxonomy 4777
Chenopodium urbicum
biology
ion uptake 1835
nutrient uptake 1835
potassium 1835
sodium 1835
Cherries (*Prunus avium* and *P. cerasus*)
Festuca rubra
growth rate 778
plant competition 778
transpiration 778
yields 778
herbicides
application date 4664
application rates 3307, 4664
damage 3307, 4664
development 4664
drift 3307, 4664
firmness 4664
flowering 778
fruits 4664
growth rate 778, 4664
plant height 344
quality 4664
transpiration 777
variety trials 4664
yields 777-778, 1221, 3343, 4664
Lolium perenne
growth rate 778
plant competition 778
transpiration 778
UK 344
yields 778
Poland 1221
Romania 3343
USA 778, 3307, 4664
Viscum album
host parasite relationships 2119
xylem 2119
weed control
transpiration 777
yields 777, 1221
Chickpeas (*Cicer arietinum*)
Ageratum conyzoides, hosts of plant pests 4846
Amaranthus
hosts of plant diseases 93
Spain 93
Amaranthus retroflexus
plant competition 1393
salinity 1393
Anagallis arvensis subsp. *foemina,* surveys 3954
Anchusa azurea, surveys 3954
Antirrhinum majus, surveys 3954
Avena sterilis, surveys 3954
Bangladesh 763
Chenopodium album
allelopathy 1400
growth rate 1400
seed germination 1400
Convolvulus althaeoides, surveys 3954
Convolvulus arvensis, surveys 3954
Cynodon dactylon, surveys 3954
Datura
hosts of plant diseases 93
Spain 93
endives, as weeds, surveys 3954
herbicides
plant diseases 2862
tolerance 212, 2476
yields 764, 4648
India 762, 764
Jordan 1775
Lolium rigidum, surveys 3954
Nicandra physalodes, hosts of plant pests 4846
Nicotiana alba
hosts of plant diseases 93
Spain 93
Orobanche crenata
host parasite relationships 2852
seed banks 761
Phalaris brachystachys, surveys 3954

Chickpeas *cont.*
Poaceae, Jordan 4648
Scorpiurus muricatus, surveys 3954
Sinapis arvensis, surveys 3954
Spain 2476
Vaccaria hispanica, surveys 3954
weed control, yields 762-764
weeds
control 305, 3746
growth rate 1775
hosts of plant pests 4846
occurrence 3746
plant competition 1775
seed weight 1775
yield components 1775
yields 1775
Chicory (*Cichorium intybus*)
algae
biological control 862
chemical control 862
as weeds
control
chemical control 4233
physical control 4233
herbicides
application methods 4220
application rates 4220
damage 4220
degradation 4092
roots 4220
tolerance 4092
translocation 4092
uptake 4092
yields 4220, 5083
India 5083
Poland 4220
weed control, yields 5083
weeds
biological control 862
chemical control 862, 2051
population dynamics 1320
Chile
weeds
economics 2986
Orobanche 2986
Chillies (*see Capsicum*)
China
barley 4173-4174
herbicides, mycoherbicides 3288
rice 292, 4190
weed control
biological control 399
Cuscuta australis 399
Cuscuta chinensis 399
Cuscuta maritima 399
mycoherbicides 3288
Pinopsida 5114
weeds
conferences 5183
Euphorbia esula 2544
Euphorbia pekinensis 2544
flora 4597
Hydrilla verticillata 856
introduction 4597
medicinal plants 4597
Anhui, wheat, rape, as weeds 1592
Beijing, soyabeans 2198, 2354
Jiangsu, wheat, *Sclerochloa kengiana* 1596
Jilin
Scirpus planiculmis 919
soyabeans 3311
tobacco, *Cuscuta japonica* 3433
Nei Menggu
water reservoirs
Ceratophyllum demersum 1716
Myriophyllum spicatum 1716
Potamogeton crispus 1716
Shandong, maize 1597
Shanghai
rice, *Cyperus juncellus* 3284
weeds
seed contamination 1341
Sorghum halepense 1341
Zhejiang
barley 4618
maize 4618
rice 1608
soyabeans 4618
sweet potatoes
Cyperus rotundus 1633
China *cont.*
Zhejiang *cont.*
sweet potatoes *cont.*
Digitaria sanguinalis 1633
wheat 4618
Chinese cabbages (*Brassica pekinensis*)
Amaranthus hybridus, USA 3334
herbicides
damage 3334
yields 3334
Chlomethoxyfen
control, weeds, rice 1200
degradation
buckwheat 2771
cabbages 2771
cucumbers 2771
Echinochloa crus-galli 2771
maize 2771
radishes 2771
rice 2771
sorghum 2771
tomatoes 2771
selectivity
buckwheat 2771
cabbages 2771
cucumbers 2771
Echinochloa crus-galli 2771
maize 2771
radishes 2771
rice 2771
sorghum 2771
tomatoes 2771
tolerance
buckwheat 2771
cabbages 2771
cucumbers 2771
maize 2771
radishes 2771
rice 2771
sorghum 2771
tomatoes 2771
toxicity
bacteria 4886
mutagens 4886
translocation
buckwheat 2771
cabbages 2771
cucumbers 2771
Echinochloa crus-galli 2771
maize 2771
radishes 2771
rice 2771
sorghum 2771
tomatoes 2771
uptake
buckwheat 2771
cabbages 2771
cucumbers 2771
Echinochloa crus-galli 2771
maize 2771
radishes 2771
rice 2771
sorghum 2771
tomatoes 2771
yields, rice 1200
Chloramben
application rates
maize 3265
soyabeans 3265
wheat 3265
control
weeds
maize 3265
soyabeans 3265
wheat 3265
damage, *Lupinus albus* 2462
degradation, soyabeans 2346
energy relations
maize 3265
soyabeans 3265
wheat 3265
enzymes, soyabeans 2346
formulations, controlled release 1958
seed weight, *Lupinus albus* 2462
tissue culture, soyabeans 2346
tolerance, *Lupinus albus* 2462
yields
Lupinus albus 2462
maize 3265
soyabeans 3265
wheat 3265
Chlorbromuron
analytical methods
dialysis 3568
liquid chromatography 3568
application date, carrots 1632
application rates, carrots 1632
control
Capsella bursa-pastoris, carrots 1632
Chenopodium album, carrots 1632
Echinochloa crus-galli, carrots 1632
damage
carrots 1632
sugarbeet 2074
economics, carrots 1632
residual effects, sugarbeet 2074
residues
river water 3568
soil 2074
tap water 3568
water 3568
resistance, *Alopecurus myosuroides* 1123
Chlorbufam
control, weeds, spinach 5068
residual effects
broccoli 5068
cucumbers 5068
Phaseolus vulgaris 5068
spinach 5068
yields
broccoli 5068
cucumbers 5068
Phaseolus vulgaris 5068
spinach 5068
Chlorflurenol
anatomy
faba beans 2965
Orobanche crenata 2965
dry matter distribution, *Orobanche crenata* 2965
flowers, *Orobanche crenata* 2965
morphology
faba beans 2965
Orobanche crenata 2965
plant height
faba beans 2965
Orobanche crenata 2965
Chloridazon
adjuvants, sugarbeet 2385
application, application date 2325
application date, sugarbeet 793, 2309, 3827-3828, 4684
application rates
barley 329
sugarbeet 793, 2309
control
Abutilon theophrasti, sugarbeet 2069
Aethusa cynapium
fodder crops 726
sugarbeet 330, 726
Amaranthus, sugarbeet 3827
Amaranthus retroflexus, sugarbeet 2069
Ammi majus, sugarbeet 2069
Chenopodium, sugarbeet 2069
Chenopodium album, *Chenopodium quinoa* 295
Convolvulus arvensis, sugarbeet 2069
Cuscuta campestris, sugarbeet 2069
Elymus repens, sugarbeet 2071-2072
Galium aparine, sugarbeet 330
Polygonum aviculare, sugarbeet 2069
Polygonum latifolium, sugarbeet 2069
Polygonum persicaria, sugarbeet 2069
Solanum nigrum, sugarbeet 2069
weeds 4749
beetroots 3723
cabbages 3723
carrots 3723
Chenopodium quinoa 295
fodder beet 3707
sugarbeet 329-330, 793, 1656, 2385, 3707, 3827-3828, 4684, 5097
damage
barley 329
Chenopodium quinoa 295
economics, sugarbeet 793
erosion, barley 329
interactions
adjuvants 2385

Chloridazon *cont.*
interactions *cont.*
herbicides 2069, 2309, 2385, 3707, 3827-3828, 4684, 5097
nontarget effects, fungi 3602
quality, sugarbeet 2072
residual effects, sugarbeet 4684
residues
groundwater 2325
soil 2309, 2325-2326, 3723
soil water 2326
sugarbeet 2309
soil
Actinomycetales 3723
bacteria 3723
climate 2325
degradation 2326
leaching 2325
microorganisms 3723
movement 2326
nitrogen fixation 3723
persistence 2326
soil types 2325
soil water 2325-2326
temperature 2326
toxicity, fungi 3602
yields, sugarbeet 2072, 3827
Chlorimuron
adjuvants, soyabeans 4643
analytical methods
gas liquid chromatography 1868
HPLC 2723
mass spectrometry 1868
nuclear magnetic resonance 1868
application date
soyabeans 2471, 3795, 4643
sunflowers 4678
application methods, sunflowers 4676
application rates
soyabeans 308, 2470-2471
sunflowers 4678
bioassays
Cassia obtusifolia 2320-2321
oats 632
chemistry
degradation 4003
hydrolysis 4003
chlorophyll, soyabeans 4960
composition, groundnuts 1535
control
Abutilon theophrasti 3237
soyabeans 4643
Amaranthus albus, soyabeans 3795
Amaranthus palmeri, soyabeans 3795
Amaranthus retroflexus, soyabeans 3795
Amaranthus rudis, soyabeans 3795
Cassia obtusifolia, soyabeans 2470-2471
Chenopodium album 3237
Cleome viscosa, groundnuts 2501
Cynodon dactylon
groundnuts 2501
soyabeans 2464
Cyperus rotundus 2604
groundnuts 2501
soyabeans 2464
Digera arvensis
groundnuts 2501
soyabeans 2464
Echinochloa colonum, soyabeans 2464
Echinochloa crus-galli 3237
soyabeans 3312
Eleusine indica, groundnuts 2501
Euphorbia hirta, groundnuts 2501
Ipomoea lacunosa, soyabeans 2470-2471, 3796
Phyllanthus niruri
groundnuts 2501
soyabeans 2464
Senna obtusifolia, soyabeans 3796
Setaria faberi 3237
Sicyos, soyabeans 2507
Sorghum halepense, soyabeans 3312
damage
maize 3237
oats 632
soyabeans 308, 2470
sunflowers 4676, 4678
fatty acids, groundnuts 1535

Chlorimuron *cont.*
growth rate
Cassia obtusifolia 2320-2321
oats 632
interactions
adjuvants 4643
fertilizers 4643
fungicides 1535
herbicides 1535, 3312, 4643
insecticides 3237
surfactants 4643
leaves, soyabeans 4960
magnesium, groundnuts 1535
nitrogen, soyabeans 4960
nitrogen fixation, soyabeans 4960
nozzles, soyabeans 2470
nutrient content
groundnuts 1535
soyabeans 4960
plant height
maize 308
oats 632
wheat 308
population density
maize 308
soyabeans 308
wheat 308
quality, groundnuts 1535
residual effects
maize 308
wheat 308
residues
soil 632, 1868, 2320-2321, 4917
water 1868
wheat 1868
roots, *Cassia obtusifolia* 2320-2321
seed production, sunflowers 4678
soil
biodegradation 4917
degradation 2320-2321, 4917
enzymes 4917
humus 632
microorganisms 4917
movement 2320
organic matter 2321
persistence 2321
rain 2320
soil types 632, 2320-2321, 4917
sorption 4917
temperature 2320
surfactants, soyabeans 4643
susceptibility, maize 3237
tolerance
maize 3237
soyabeans 2470
translocation, soyabeans 4960
yield components, sunflowers 4678
yields
groundnuts 2501
maize 308
soyabeans 308, 2464, 2470, 3312, 3796, 4643
sunflowers 4678
wheat 308
zinc, groundnuts 1535
Chloris barbata
biology
growth rate 929
mercury 929
roots 929
ecology
heavy metals 929
mercury 929
metal tolerance 929
soil pollution 929
India 929
Chloris gayana
sorghum
population dynamics 1795
surveys 1795
Chlormequat 1507, 2420-2421, 2802, 4160
Chlornitrofen
bioassays, algae 3682
control
weeds 1163
rice 1200
formulations, pellets 1163
growth rate, algae 3682
residues
river water 3682
sediment 2301

Chlornitrofen *cont.*
residues *cont.*
water 1163, 2301
soil, runoff 2301
toxicity
bacteria 4886
mice 4043
mutagens 4886
rats 4043
water
movement 1163
temperature 1163
yields, rice 1200
Chlorophthalim 2369, 4113
Chloropicrin 148
Chlorotoluron
adjuvants, *Bromus sterilis* 1729
analytical methods
chromatography 4514
extraction 4863
HPLC 2291
liquid chromatography 4863
mass spectrometry 4863
application
application methods 2401
application rates 2401
application date
Bromus sterilis 1729
wheat 143, 4482
application methods
Bromus sterilis 1729
wheat 1990
application rates, wheat 3683
bioassays
Apera spica-venti 4514
Sinapis arvensis 4514
chlorophyll
Alopecurus myosuroides 1123
tobacco 4956
control
Bromus sterilis 1729
Phalaris minor, wheat 1990
Sclerochloa kengiana, wheat 1596
weeds 2401
cuticle
Buxus sempervirens 2800
tomatoes 2800
degradation
Alopecurus myosuroides 1123
tobacco 4956
triticale 2308
fruits, tomatoes 2800
genetics, wheat 4109
growth rate, wheat 3683
interactions
adjuvants 1729
surfactants 1516
leaves
Buxus sempervirens 2800
tobacco 4956
nutrient uptake, wheat 3683
photosynthesis, *Alopecurus myosuroides* 1123
plant breeding
genetic transformation 4956
tolerance 4956
plant diseases, chickpeas 2862
properties, heat stability 1864
residues
aquifers 2300, 3657
drinking water 2300, 4863
groundwater 2300, 3175, 3592, 3638, 4514, 4863
river water 2300, 4033
sediment 1864
soil 617, 1915, 2291, 2300, 3175, 3611, 3638, 3641, 3657, 4514
soil water 3638
surface water 2300, 3592, 4863
water 2300, 3657
wells 2300
wheat 143, 4482
resistance
Alopecurus myosuroides 1123, 3078
Lolium rigidum 983
seed germination, wheat 3683
seeds, wheat 4482
soil
degradation 3175, 3611, 3657
humus 3175
leaching 1915, 3638, 4514

Chlorotoluron *cont.*
soil *cont.*
microbial activities 3611
movement 617, 2300, 3638, 3641, 3657, 4514
persistence 3611, 3657
soil types 3641
soil water 3611
sorption 617, 1915, 3175, 3641, 3657, 4514
temperature 3611
soil water, *Bromus sterilis* 1729
surfactants
Buxus sempervirens 1516, 2800
tomatoes 2800
susceptibility, triticale 2308
temperature, *Bromus sterilis* 1729
tolerance
tobacco 4956
triticale 2308
wheat 4109
translocation, *Alopecurus myosuroides* 1123
uptake
Alopecurus myosuroides 1123
Buxus sempervirens 1516, 2800
tomatoes 2800
variety trials
triticale 2308
wheat 4109, 4482
water
degradation 3657
movement 3657
persistence 3657
sorption 3657
waxes
Buxus sempervirens 2800
tomatoes 2800
yields, wheat 281, 1990
Chloroxuron
analytical methods, chromatography 4576
application, surfactants 4576
damage, sugarbeet 2074
interactions, surfactants 4576
residual effects, sugarbeet 2074
residues, soil 2074
tolerance, *Valeriana officinalis* 4250
Chlorpropham
adenosinetriphosphatase
potatoes 2370
turnips 2370
analytical methods
liquid chromatography 122
mass spectrometry 122
control
Agrostis capillaris
Festuca 3304
grasslands 3304
Dactylis glomerata
Festuca 3304
grasslands 3304
Lolium perenne
Festuca 3304
grasslands 3304
Poa annua, lawns and turf 2521
Vulpia myuros
Festuca 3304
grasslands 3304
weeds
Coriandrum sativum 295
Festuca 3304
grasslands 3304
lettuces 3335
Limnanthes alba 4234
cytology, oats 217
damage, *Limnanthes alba* 4234
enzymes
potatoes 2370
turnips 2370
growth rate, *Coriandrum sativum* 295
legislation
UK 2521
USA 3304
microtubules, oats 217
mitochondria
potatoes 2370
turnips 2370
mitosis, oats 217
mode of action
oats 217
potatoes 2370

Chlorpropham *cont.*
mode of action *cont.*
turnips 2370
oxygen
potatoes 2370
turnips 2370
registration, UK 2521
residues
groundwater 122
potatoes 2734
river water 122
soil 1100
tap water 122
soil
bacteria 1100
biodegradation 1100
tolerance, *Limnanthes alba* 4234
tubers, potatoes 2734
yields, lettuces 3335
Chlorsulfuron
analytical methods
extraction 2722, 3558, 4011
HPLC 2722-2723
antagonism, *Avena fatua* 859
application
activity 1554
application rates 3713
climate 1554, 3713
damage 3713
disposal 868
safety 3713
storage 3713
application date
cherries 4664
flax 3835
lawns and turf 3842
peas 4098
application methods, wheat 2419
application rates
buckwheat 2415
cereals 2415
cherries 3307, 4664
Fallopia convolvulus 3605
grapes 3307
lucerne 3307
maize 2415, 3265
peas 2415, 4098
rape 2415
roses 3307
soyabeans 3265
Stellaria media 2257
sugarbeet 2415
wheat 734, 3265
bioassays
carrots 1463
Chenopodium album 1463
oats 1463
onions 1486
Stellaria media 1463
wheat 1463
cell culture
carrots 1463
Chenopodium album 1463
oats 1463
Stellaria media 1463
wheat 1463
cell growth, algae 4945
cell membranes 1807
composition, *Festuca arundinacea* 3185
control
Avena fatua 859, 3700
Bromus secalinus, wheat 3758
Bromus tectorum
lawns and turf 3842
wheat 2419, 2458
Chenopodium album
Bromus inermis 2456
lawns and turf 3842
Cirsium arvense 1416
Convolvulus arvensis, lawns and turf 3842
Cynodon dactylon, lawns and turf 3842
Euphorbia esula 1416
grasslands 1616
Kochia scoparia 2685
Lolium multiflorum, wheat 278
Lolium perenne
Cynodon dactylon 1244
Zoysia japonica 1244
Orobanche cernua, sunflowers 1643

Chlorsulfuron *cont.*
control *cont.*
Poa annua, lawns and turf 2521
Ranunculus acris 861
rape, as weeds 1572
Taraxacum, lawns and turf 3842
Trifolium repens, lawns and turf 3842
Trigonella, lawns and turf 3842
weeds
barley 3755, 4174, 4618
fallow 270
flax 3835, 4237
lawns and turf 3842
Lolium 3793
maize 3265
millets 3755
oats 3755
sorghum 729
soyabeans 3265
triticale 5029
wheat 729, 3265, 3755, 4618, 5103
copper, wheat 4948
cross resistance 1807
Cirsium arvense 1416
Euphorbia esula 1416
Kochia scoparia 1806
Ranunculus acris 861
Stellaria media 1806, 3965
cytochrome P-450, *Lolium rigidum* 1124
damage
Bromus inermis 2454
buckwheat 2415
cereals 2415
cherries 3307, 4664
Cynodon dactylon 1244
Festuca rubra 2454
grapes 3307
lawns and turf 1242
Lolium rigidum 1124
lucerne 2454, 3307
maize 2415
onions 1486
peas 2415
Phleum pratense 2454
rape 2415
roses 3307
sugarbeet 2415
sunflowers 1643
Trifolium pratense 2454
wheat 734
Zoysia japonica 1244
degradation 1807
Lolium rigidum 1124, 1130
wheat 734
development, cherries 4664
drift
cherries 3307, 4664
grapes 3307
lucerne 3307
roses 3307
economics
sorghum 729
wheat 278, 729
energy relations
maize 3265
soyabeans 3265
triticale 5029
wheat 3265
enzymes
Arabidopsis thaliana 4108
Kochia scoparia 3932, 4554
Lolium rigidum 1124
Sonchus oleraceus 4556
Stellaria media 3965
tobacco 2932
fibres, flax 4237
firmness, cherries 4664
formulations 2722
fruits, cherries 4664
genetics, *Sonchus oleraceus* 4556
growth rate
algae 1076-1077, 4945
carrots 1463
Chenopodium album 1463
cherries 4664
cyanobacteria 1076
Fallopia convolvulus 1527
Kochia scoparia 1415
Lemna minor 3436
Lolium rigidum 1124

Chlorsulfuron *cont.*
growth rate *cont.*
lucerne 4201
maize 1525
oats 1463
onions 1486
rape, as weeds 1572
Stellaria media 1463
wheat 1463, 1525, 1946, 2419, 4948
interactions
chemicals 3556
fungicides 3755
herbicides 859, 1616, 3713, 3755, 3758, 3793, 3835, 3842
insecticides 1124
surfactants 1572
leaves
Fallopia convolvulus 1527
wheat 4948
legislation, UK 2521
life cycle, *Fallopia convolvulus* 1527
membrane permeability, rape, as weeds 1572
membrane potential
oats 195
wheat 195
membranes, algae 4945
mode of action
Lolium rigidum 1124
oats 195
Stellaria media 3965
wheat 195
molecular genetics, *Kochia scoparia* 4554
mutants
Arabidopsis thaliana 4108
Kochia scoparia 4554
rape 4107
nectar, lucerne 4567
nodulation, lucerne 4201
nontarget effects
honey bees 4567
insects 3605
nutrient content, wheat 4948
nutrient uptake
algae 3436
cyanobacteria 3436
wheat 1946
pH, algae 4945
photosynthesis, algae 1077
pigments, *Festuca arundinacea* 3185
plant breeding
genetic transformation 2932
molecular genetics 2932
tolerance 2785, 2932
plant height
Festuca arundinacea 3185
maize 1525
peas 4098
wheat 1525
properties
melting point 2722
solubility 2722
quality
cherries 4664
wheat 278
registration
Canada 3436
UK 2521
reproduction
algae 4945
Fallopia convolvulus 1527
peas 4098
residual effects
Bromus inermis 2454
buckwheat 2415
cereals 2415
Festuca rubra 2454
lucerne 2454
maize 2415, 4618
peas 2415
Phleum pratense 2454
rape 2415, 4674
soyabeans 4618
sugarbeet 2415, 4674
tobacco 5103
Trifolium pratense 2454
residues
barley 585
groundwater 579
lakes 1072-1073, 1077

Chlorsulfuron *cont.*
residues *cont.*
soil 579, 1095, 1486, 2415, 2454, 3558, 4026, 4674, 5103
soil water 1095
surface water 579
waste water 868
water 868, 1071-1073, 1076-1077, 4011
wheat 585
resistance 1807
Arabidopsis thaliana 4108
Cirsium arvense 1416
Euphorbia esula 1416
Kochia scoparia 1415, 1806, 2685, 3932, 4554
Lolium rigidum 983, 1124, 1130
Ranunculus acris 861
Salsola iberica 58
Sisymbrium orientale 4410
Sonchus oleraceus 4556
Stellaria media 1806, 2257, 3965
roots
Cirsium arvense 1416
Euphorbia esula 1416
maize 1525
wheat 1525, 4948
seed production
Fallopia convolvulus 1527
Festuca arundinacea 3185
flax 4237
peas 4098
soil 1554
degradation 1095, 4026
fertilizers 1095
leaching 1095, 1486
microbial degradation 1486
movement 1095, 1486
nitrification 1486
persistence 1095, 1486
runoff 1095
soil types 1095, 1486, 2415, 3558
soil types
buckwheat 2415
cereals 2415
maize 2415
peas 2415
rape 2415
sugarbeet 2415
sugars, lucerne 4567
surfactants, rape, as weeds 1572
susceptibility, *Stellaria media* 3965
synergism, wheat 3758
tolerance
rape 4107
sugarbeet 2785
tobacco 2932
wheat 4948
toxicity
algae 1073, 1076-1077, 4945
aquatic organisms 579, 1071, 1073, 1077, 3436
cyanobacteria 1076
ecosystems 579, 3436
fishes 1071-1072
insects 1071
phytoplankton 1077
soil fauna 1071
zooplankton 1073
translocation
rape, as weeds 1572
wheat 734
uptake
algae 4945
rape, as weeds 1572
wheat 734
variety trials
cherries 4664
wheat 734, 3758, 4948
water
algae 1073
aquatic organisms 1071, 1073
degradation 1073
persistence 1073
zooplankton 1073
yield components, wheat 734
yields
barley 3755
Bromus inermis 2454, 2456
buckwheat 2415
cereals 2415

Chlorsulfuron *cont.*
yields *cont.*
cherries 4664
Festuca arundinacea 3185
Festuca rubra 2454
flax 4237
grasslands 1616
Lolium 3793
lucerne 2454, 4201
maize 2415, 3265
millets 3755
oats 3755
peas 2415, 4098
Phleum pratense 2454
rape 2415
sorghum 729
soyabeans 3265
sugarbeet 2415
sunflowers 1643
tobacco 5103
Trifolium pratense 2454
triticale 5029
wheat 270, 729, 734, 2419, 3265, 3755, 3758
zinc, wheat 4948
Chlorthal-dimethyl
application date, *Agrostis stolonifera* 2095
application rates
Agrostis stolonifera 2095
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Festuca 3378
Gaillardia aristata 2098
Lolium perenne 3378
Parthenium argentatum 4238
Poa pratensis 3378
Rudbeckia hirta 2098
control
Conyza canadensis
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Digitaria ischaemum
Agrostis stolonifera 2095
Festuca 3378
Lolium perenne 3378
Poa pratensis 2096, 3378
Digitaria sanguinalis
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Poa pratensis 2096
Euphorbia humistrata
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Euphorbia maculata
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
Oxalis stricta
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
Poa annua, lawns and turf 2521
Striga gesnerioides
maize 4279

Chlorthal-dimethyl *cont.*
control *cont.*
Striga gesnerioides cont.
sorghum 4279
Striga hermonthica
maize 4279
sorghum 4279
weeds
broccoli 2489, 5068
cabbages 4656
cucumbers 5068
Parthenium argentatum 4238
cytology, oats 217
damage
Agrostis stolonifera 2095
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
lawns and turf 1242
Poa pratensis 2097
Rudbeckia hirta 2098
development
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
economics, broccoli 2489
flowering
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
growth rate
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
legislation, UK 2521
microtubules, oats 217
mitosis, oats 217
mode of action
oats 217
Striga gesnerioides 4279
Striga hermonthica 4279
pigments, *Agrostis stolonifera* 2095
plant diseases, *Agrostis stolonifera* 2095
population density, *Parthenium argentatum* 4238
quality, *Agrostis stolonifera* 2095
registration, UK 2521
residual effects
broccoli 5068
cucumbers 5068
Phaseolus vulgaris 5068
spinach 5068
residues, soil 1082, 4064
resistance, *Lolium rigidum* 2684
seed germination
Striga gesnerioides 4279
Striga hermonthica 4279
soil
degradation 4064
leaching 1082
persistence 1082
photolysis 1082
sorption 1082
volatilization 1082
tolerance
Allium sphaerocephalon 2896
Canna 2896
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Crocosmia crocosmiiflora 2896
Echinacea purpurea 2098
Gaillardia aristata 2098

Chlorthal-dimethyl *cont.*
tolerance *cont.*
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Rudbeckia hirta 2098
yields
broccoli 2489, 5068
cucumbers 5068
Phaseolus vulgaris 5068
spinach 5068
Chlorthiamid
control, weeds, grapes 779
economics, grapes 779
Chondrilla juncea
biology 453
control
biological control 453, 2455
physical control 453
ecology 453
Chorispora tenella
biology 14
identification 14
control
chemical control 14
cultural control 14
Chromolaena odorata
biology
anatomy 3849
composition 1841
flowers 1841
identification 3849, 3952
leaves 1841
morphology 1360
nectar 1841
nomenclature 3849
pyrrolizidine alkaloids 1841
roots 1841
stems 1841
coconuts, yields 4147
coffee, yields 4147
control
biological control 1018, 2713, 3111, 3849, 3952, 3999
chemical control 3849, 3952, 4711
cultural control 3849, 3952
integrated control 979
physical control 3849, 3952
cotton, yields 4147
ecology
allelopathy 4147
cadmium 3044
copper 3044
distribution 3849, 3952
habitats 3849, 3952
heavy metals 3044
introduction 979
invasion 979, 3952, 4711
lead 3044
manganese 1360
nutrient content 3044
nutrient uptake 3044
soil pollution 3044
spread 3952
surveys 3952
zinc 3044
forests, yields 4147
herbicides
application date 4711
application rates 4711
carriers 4566
desiccation 4572
exudates 4566
leaves 4566, 4572
light 4566, 4572
membranes 4566
stomata 4572
stump sprays 4711
temperature 4572
translocation 4566
transpiration 4572
uptake 4566
water relations 4566, 4572
India 3044
oil palms, yields 4147
pastures, yields 4147
plantation crops, economics 3849

Chromolaena odorata *cont.*
seeds
seed dispersal 3849
seed germination 3849
seed production 3849
South Africa 1018, 4711
utilization
cover crops 4147
green manures 4147
Chrysanthemoides moniliferum
control, biological control 825
ecology, distribution 825
hosts, insects 825, 4436
Chrysanthemum
cabbages, hosts of plant pests 96
cucumbers, hosts of plant pests 96
garlic, hosts of plant pests 96
hosts, insects 96
onions, hosts of plant pests 96
Phaseolus vulgaris, hosts of plant pests 96
Chrysanthemum leucanthemum (*see Leucanthemum vulgare)*
Chrysanthemum segetum
grapes
distribution 2229
Portugal 2229
soil texture 2229
herbicides, bioassays 1451
Chrysanthemum superbum
herbicides
application rates 2098
damage 2098
tolerance 2098
Chrysanthemum vulgare
hosts
Araneae 556
arthropods 556
beneficial insects 556
Chrysanthemum zawadskii, utilization, antibacterial plants 3248
Chrysoma pauciflosculosa
Leptochloa dubia
allelopathy 1784
growth rate 1784
seed germination 1784
terpenoids 1784
Schizachyrium scoparium
allelopathy 1784
growth rate 1784
seed germination 1784
terpenoids 1784
Chrysopogon aciculatus
biology
growth rate 3056
plant height 3056
ecology, allelopathy 3056
seeds, seed germination 3056
Chrysothamnus nauseosus
biology
growth rate 5136
growth stages 5136
photosynthesis 5136
stomata 5136
water relations 5136
xylem 5136
ecology
plant communities 5136
survival 5136
water relations 5136
USA 5136
Cicer arietinum (*see* Chickpeas)
Cichorium endivia (*see* Endives)
Cichorium intybus (*see* Chicory)
Cimicifuga
biology
evolution 1761
morphology 1761
pollen 1761
taxonomy 1761
seeds
seed morphology 1761
testas 1761
Cimicifuga heracleifolia, biology, antioxidants 3248
Cimicifugeae
biology
evolution 1761
morphology 1761
pollen 1761
taxonomy 1761

Cimicifugeae *cont.*
seeds
seed morphology 1761
testas 1761
Cinmethylin
application date, potatoes 4216
application methods, potatoes 4216
application rates, potatoes 4216
chemistry, new products 3299
control
Ammania baccifera, rice 4629
Chenopodium album, potatoes 4216
Cynodon dactylon, rice 4629
Cyperus difformis, rice 4629
Cyperus rotundus, rice 4629
Digitaria sanguinalis, rice 4629
Echinochloa colonum, rice 4629
Echinochloa crus-galli
potatoes 4216
rice 4629
Eclipta prostrata, rice 4629
Fallopia convolvulus, potatoes 4216
Fimbristylis miliacea, rice 4629
Lippia nodiflora, rice 4629
Ludwigia parviflora, rice 4629
Phyllanthus niruri, rice 4629
Viola arvensis, potatoes 4216
weeds, rice 3294, 3299, 4629
parenchyma, celery 1519
pH, celery 1519
phloem, celery 1519
uptake, celery 1519
yield components, rice 4629
yields
potatoes 4216
rice 3294, 4629
Cinosulfuron
analytical methods
gas liquid chromatography 1868
immunoassay 1462
mass spectrometry 1868
nuclear magnetic resonance 1868
bioassays, vegetables 2405
carbohydrates, *Sagittaria trifolia* 2834
control
aquatic weeds, rice 4192
Sagittaria trifolia, rice 2834
weeds, rice 2027, 2405, 3298
damage
oil palms 2063
vegetables 2405
growth rate
rice 2349, 3298
Sagittaria trifolia 2834
interactions, herbicides 2027, 2349
lodging, rice 3298
residual effects, vegetables 2405
residues
irrigation water 2405
soil 1868
water 1868, 2405
wheat 1868
stems, rice 3298
tubers, *Sagittaria trifolia* 2834
yields, rice 2027, 3298
CIPC 195
CIPC, 4-hydroxy- 195
CIPC, 2-hydroxy- 195
Cirsium arvense
barley
Canada 47, 1595
Poland 2212
population density 47
yields 2212
biology
composition 3097-3098
emergence 3898
flowering 1444
flowers 1013
growth rate 427, 947, 3898
life history 455
physiology 455
plant diseases 1444
pollen 1013
polyacetylenes 3098
regrowth 427
roots 427, 1444, 1783, 2240, 3097-3098, 3898
sesquiterpenes 3098
shoots 427, 2240, 3898
temperature 1444
Cirsium arvense *cont.*
biology *cont.*
vegetative propagation 1444, 1783
volatile compounds 3097-3098
buckwheat
allelopathy 2644
plant competition 2644
population density 2644
USA 2644
cereals
Germany 5019
population dynamics 5019
soil types 4809
surveys 4809
UK 4611
control
biological control 455, 567, 1443-1444, 2455, 2653, 3097, 3545, 4441, 5060
chemical control 427, 1416, 1565, 1595, 1623, 1783, 2221, 2413, 3343, 4135, 4166, 4310, 4611
cultural control 47, 1783, 5019
integrated control 2413
physical control 47, 1783, 2221, 2413, 3886, 4166, 5019
Coronilla varia
growth rate 2653
plant competition 947, 2653
USA 947, 2653
Denmark 550
ecology
biotypes 1416, 1444
distribution 2240
establishment 1783
insects 947
invasion 971
light 1783, 2413
population density 2240, 2706
population dynamics 455
spatial distribution 2240, 3071
spread 967
temperature 1783
vernalization 4352
water relations 1783
fallow
Canada 47, 2413
occurrence 498, 1783
population density 47
soil types 4809
species diversity 967
surveys 498, 967, 4809
Festuca arundinacea
growth rate 2653
plant competition 947, 2653
USA 947, 2653
flax
Canada 47
population density 47
grasslands, biological control 4441
herbicides
adjuvants 4310
application methods 4135
application rates 1595, 4135
cross resistance 1416
degradation 1511
emergence 4310
growth rate 1511
morphology 2413
population density 2413, 4310
regrowth 4310
resistance 1416, 3545
roots 1416
selectivity 1511
translocation 1511
uptake 1511
hosts
fungi 455, 2706, 3097-3098
insects 455, 550, 1013, 1802, 2706, 4435
Nematoda 455
pathogens 1802
Lolium perenne, New Zealand 5060
Lotus corniculatus, Czech Republic 1623
lucerne
allelopathy 3058
emergence 3058
growth rate 3058
seed germination 3058
survival 3058
New Zealand 4135, 4310
Cirsium arvense *cont.*
oats
Poland 2212
yields 2212
pastures
distribution 3945
surveys 3945
potatoes, surveys 2221
rape
Canada 47
population density 47
rye
Poland 2212
yields 2212
seeds
composition 3097-3098
seed germination 3898
seed predation 1013
seed production 1013
seed size 3898
seed weight 3898
viability 498
sugarbeet
allelopathy 1401
chemical control 4682
composition 1401
Czech Republic 4682
growth rate 1401
sugars 1401
Trifolium repens, New Zealand 5060
USA 2240, 2706
weed control
growth rate 1783
morphology 2413
population density 2413
seed production 1783
wheat
Canada 47, 1595
Poland 2212
population density 47
yields 2212
Cirsium horridulum
biology
anatomy 992
cell walls 992
cytology 992
elasticity 992
flowers 992
stamens 992
Cirsium macrocephalum
control
chemical control 1620
physical control 1620
grasslands, Russia 1620
pastures, Russia 1620
Cirsium oleraceum
Denmark 550
hosts, insects 550, 4435
Cirsium palustre, hosts, insects 4435
Cirsium vulgare
biology
carbohydrates 1375
chromosomes 1802
dry matter distribution 1375
flowering 1802
growth rate 454, 1375-1376, 1802
identification 454
life history 454
morphology 1802
nitrogen 1375-1376
nomenclature 454
nutrient content 1376
physiology 1802
pollination 454
reproduction 454, 1802
senescence 1375-1376
taxonomy 454
water relations 1802
control 454
biological control 454
cultural control 1409, 3300
ecology
climate 1802
distribution 454, 1802
drought 1802
emergence 1409
grazing 1409, 1802
habitats 1802
insects 1409
mycorrhizas 1802
nitrogen 1375-1376

Cirsium vulgare *cont.*
ecology *cont.*
nutrient availability 1375-1376, 1802
nutrient content 1802
plant communities 1802
population dynamics 454, 1409
survival 1409
temperature 1802
water relations 1802
grasslands
plant competition 1409
UK 1409
seeds
light 2164
plant growth regulators 2164
seed banks 1409
seed dispersal 1409, 1802
seed dormancy 2164
seed germination 454, 1802, 2164
seed morphology 1802
seed production 1409, 1802
storage 2164
temperature 2164
viability 1802
Cistus
biology
morphology 1354
pollen 1354
taxonomy 1354
Citrullus colocynthis, utilization, foods 2627
Citrullus lanatus (*see* Watermelons)
Citrus (*see also* English names of individual species and hybrids)
herbicides
application methods 2307, 2494
application rates 2406, 2494
fruits 2307
leaves 2307
plant cuticle 1923
residues 2307, 3128
uptake 1923
waxes 1923
Setaria verticillata, hosts of plant pests 4844
Sicyos
occurrence 2507
plant competition 2507
Solanum nigrum, hosts of plant pests 4844
Spain 4515
UK 4671
weeds
chemical control 4671
control 1588
Citrus aurantium (*see* Sour oranges)
Citrus deliciosa (*see* Mandarins)
Citrus lemon (*see* Lemons)
Citrus nobilis × **mandarins**
India 4229
weeds
fertilizers 4229
nutrient uptake 4229
Citrus reshni (*see* Mandarins)
Citrus reticulata (*see* Mandarins)
Citrus sinensis (*see* Oranges)
Cladium jamaicense
biology
light 855
methane production 855
stomata 855
ecology
diurnal activity 855
drought 1301
fire effects 1301
light 855
nutrient availability 1301
population density 1301
spread 1301
USA 855, 1301
Clematis
biology
fatty acids 516
linolenic acid 516
oils 516
seeds, composition 516
Clematis vitalba
Crataegus laevigata
plant competition 1238
UK 1238
Cleome, control, chemical control 1964
Cleome monophylla
control
chemical control 3322
physical control 3322
Cleome rutidosperma
control, cultural control 3030
Hevea brasiliensis
emergence 3030
seed banks 3030
oil palms
emergence 3030
seed banks 3030
seeds, seed germination 3030
Cleome viscosa
control
chemical control 2026, 2501
physical control 2026, 2501
herbicides, growth rate 2026
weed control, growth rate 2026
Clethodim
acetyl-CoA carboxylase 1943
barley 1947
Eleusine indica 4114
oats 1947
adjuvants
barley 1960
oats 1960
antagonism
barley 1960
cotton 5108
oats 1960
application date
Aegilops cylindrica 5127
Brachiaria platyphylla 4582
Bromus tectorum 5127
Conyza canadensis 5127
Digitaria ciliaris 4582
Digitaria sanguinalis 4582
Echinochloa crus-galli 1721
Eleusine indica 4582
Eriochloa gracilis 1721
Panicum texanum 4582
Sorghum halepense 1721, 4582
application rates
Digitaria sanguinalis 1811
flax 2087
kenaf 1662
Setaria faberi 1811
binding sites 1943
bioassays
barley 1960
oats 1960
chemistry
degradation 4974
photolysis 4974
structure 1943
control
Aegilops cylindrica, fallow 5127
Avena fatua
flax 2087
rape 4974
barley
as weeds 4974
rape 4974
Brachiaria platyphylla 4582
cotton 5108
Bromus tectorum, fallow 5127
Conyza canadensis, fallow 5127
Digitaria ciliaris 4582
Digitaria sanguinalis 1811, 4582
cotton 5108
Echinochloa crus-galli 1721
cotton 5108
soyabeans 3312
Eleusine indica 4582
cotton 5108
Eriochloa gracilis 1721
Panicum texanum 4582
Poaceae, kenaf 1662
Setaria faberi 1811
Setaria viridis, flax 2087
Sorghum halepense 1721, 4582
cotton 5108
soyabeans 3312
weeds
Lolium perenne 4195
Trifolium repens 4195
cross resistance, *Eleusine indica* 4114
damage
flax 2087
kenaf 1662
Clethodim *cont.*
damage *cont.*
rape 4974
enzymes 1943
barley 1947
Eleusine indica 4114
oats 1947
fatty acids
barley 1947
oats 1947
interactions
adjuvants 1960
fertilizers 4974
herbicides 1960, 3312, 4582, 5108
sodium bicarbonate 1960
light
barley 1960
oats 1960
mode of action, *Eleusine indica* 4114
plant height, kenaf 1662
population density, kenaf 1662
population dynamics
Agrostis capillaris 4195
Cynosurus cristatus 4195
Dactylis glomerata 4195
Holcus lanatus 4195
Phleum pratense 4195
registration, USA 1662
resistance
Digitaria sanguinalis 1811
Eleusine indica 4114
Setaria faberi 1811
Sorghum halepense 4409
yields
flax 2087
kenaf 1662
soyabeans 3312
Clodinafop
adjuvants
Panicum schinzii 4311
triticale 4162
wheat 4162
application, rain 4311
application date
Alopecurus myosuroides 4610
Avena fatua 4610
cereals 263
Lolium multiflorum 4610
Panicum schinzii 4311
Poa trivialis 4610
triticale 4162
wheat 4162
application rates
cereals 263
rye 4610
triticale 4610
wheat 4610
control
Alopecurus myosuroides
cereals 263
rye 4610
triticale 4610
wheat 2807, 4610
Avena, cereals 263
Avena fatua
rye 4610
triticale 4610
wheat 4162, 4610
Galium aparine, cereals 263
Lolium, cereals 263
Lolium multiflorum
rye 4610
triticale 4610
wheat 2807, 4610
Panicum schinzii 4311
Phalaris minor, wheat 4162
Phalaris paradoxa, wheat 4162
Poa trivialis
rye 4610
triticale 4610
wheat 4610
weeds, cereals 263
damage
triticale 4162
wheat 4162
formulations 4610
interactions
adjuvants 4162, 4311
herbicides 2807
legislation, UK 240

Clodinafop *cont.*
safeners
rye 4610
triticale 4610
wheat 4610
tolerance
triticale 4162
wheat 4162
Clomazone
application, safety 5105
application date
potatoes 4216
rape 2872
sugarcane 789, 1229
sunflowers 4678
application methods
cotton 5105
potatoes 4216
sugarcane 789
sunflowers 4675
application rates
cucumbers 3811
Ipomoea lacunosa 4753
Ipomoea turbinata 4753
Ipomoea wrightii 4753
Jacquemontia tamnifolia 4753
Pharbitis hederacea 4753
Pharbitis purpurea 4753
potatoes 4216
rape 2872
soyabeans 308
sugarcane 789
sunflowers 4678
bioassays, rye 1557
carotenoids 1942
Capsicum annuum 2375
tobacco 2375
tomatoes 2375
cell culture
tobacco 2375
tomatoes 2375
chemistry
new products 1942
structure 1942
chlorophyll
Capsicum annuum 2375
cucumbers 3811
soyabeans 4960
tomatoes 2375
control
Abutilon theophrasti, maize 1557
Amaranthus hybridus
broccoli 3334
cabbages 3334
cauliflowers 3334
Chinese cabbages 3334
Amaranthus retroflexus, cucumbers 3811
Capsella bursa-pastoris, cucumbers 3811
Chamomilla suaveolens, cucumbers 3811
Chenopodium album, potatoes 4216
Cyperus rotundus 2604
Echinochloa crus-galli, potatoes 4216
Fallopia convolvulus, potatoes 4216
Ipomoea lacunosa 4753
cotton 5106
Ipomoea turbinata 4753
Ipomoea wrightii 4753
Jacquemontia tamnifolia 4753
Lamium amplexicaule, cucumbers 3811
Lamium purpureum, cucumbers 3811
Pharbitis hederacea 4753
cotton 5106
Pharbitis purpurea 4753
Polygonum persicaria, cucumbers 3811
Rottboellia cochinchinensis, sugarcane 789
Senecio vulgaris, cucumbers 3811
Setaria pumila, maize 1557
Setaria viridis, *Phaseolus vulgaris* 310
Sinapis arvensis, cucumbers 3811
Solanum sarrachoides, cucumbers 3811
Sorghum halepense, sugarcane 1229
Viola arvensis, potatoes 4216

Clomazone *cont.*
control *cont.*
weeds
asparagus 772
broccoli 3334
cabbages 3334
Capsicum frutescens 1218
cauliflowers 3334
Chinese cabbages 3334
cotton 4687, 5105
faba beans 3800
peas 3800
Phaseolus vulgaris 310
rape 2872, 3800
soyabeans 2466
cotyledons
Capsicum annuum 2375
tomatoes 2375
damage
asparagus 772
broccoli 3334
cabbages 3334
cauliflowers 3334
Chinese cabbages 3334
cotton 5105-5106
cucumbers 3811
maize 4100
Phaseolus vulgaris 310
rye 1557
soyabeans 308
sugarcane 789
sunflowers 4675, 4678
economics, *Phaseolus vulgaris* 310
enzymes
Capsicum annuum 2375
tobacco 2375
tomatoes 2375
formulations, emulsions 1557
growth rate, maize 4100
interactions
herbicides 3800, 3811, 4753, 5106
insecticides 5105-5106
safeners 5105
isomerases
Capsicum annuum 2375
tobacco 2375
tomatoes 2375
leaves, soyabeans 4960
morphology, maize 4100
nitrogen, soyabeans 4960
nitrogen fixation, soyabeans 4960
nutrient content, soyabeans 4960
pigments 1942
plant height
maize 308
wheat 308
population density
maize 308
soyabeans 308
wheat 308
residual effects
cereals 5022
cotton 5105
maize 308
wheat 308
residues
soil 2761, 3334, 4504, 4527, 5022
soil water 4527
resistance, *Chenopodium album* 4216
safeners, cotton 5105
seed production, sunflowers 4678
selectivity
asparagus 772
cucumbers 3811
soil
biodegradation 2761
leaching 4527
microbial activities 2761
mineralization 2761
mulches 4527
organic matter 3334
persistence 2761
respiration 2761
soil water 2761
straw 4504
temperature 2761
volatilization 2761
sugars, sugarcane 1229
susceptibility, tomatoes 2375
tolerance
Capsicum annuum 2375

Clomazone *cont.*
tolerance *cont.*
cucumbers 3811
tobacco 2375
transferases
Capsicum annuum 2375
tobacco 2375
tomatoes 2375
translocation, soyabeans 4960
variety trials
cucumbers 3811
maize 4100
yield components, sunflowers 4678
yields
broccoli 3334
cabbages 3334
Capsicum frutescens 1218
cauliflowers 3334
Chinese cabbages 3334
cotton 5106
cucumbers 3811
maize 308, 4100
Phaseolus vulgaris 310
potatoes 4216
rape 2872
soyabeans 308
sugarcane 1229
sunflowers 4678
wheat 308
Clomeprop
binding sites
maize 3673
Vigna mungo 3673
bioassays
maize 3673
Vigna mungo 3673
coleoptiles, maize 3673
degradation
maize 3673
Vigna mungo 3673
growth rate
maize 3673
Vigna mungo 3673
plant growth regulators
maize 3673
Vigna mungo 3673
Clopyralid
adjuvants
Cirsium arvense 4310
Matricaria perforata 2387
air assisted sprayers, *Prosopis glandulosa* 2530
application, safety 2387
application date
cranberries 1640
forests 3388
maize 3268
rights of way 3388
roadsides 3388
sorghum 1607
sugarbeet 3827
triticale 4177
application rates
cranberries 1640
Indian mustard 1650
Matricaria perforata 2387
potatoes 314
Prosopis glandulosa 1257
Sinapis alba 1650
control
Amaranthus, sugarbeet 3827
Artemisia frigida
Agropyron cristatum 1617
Bromus inermis 1617
pastures 1617
rangelands 1617
Carduus nutans
pastures 4198
roadsides 815
cereals, as weeds, rape 2498
Chenopodium album, *Chenopodium quinoa* 295
Cirsium arvense 1416, 4310
Coronilla varia, maize 3268
Echinochloa crus-galli, sorghum 1607
Euphorbia esula 1416
Galium aparine, rape 2498
Papaver, rape 2498
Poa annua, *Poa pratensis* 3843
Poaceae, rape 2498

Clopyralid *cont.*
control *cont.*
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
potatoes, as weeds, sugarbeet 5101
Prosopis glandulosa 1257, 2530
Ranunculus acris 861
Sinapis arvensis, rape 2498
Solanum carolinense, maize 1599
Solanum elaeagnifolium 388
Solanum viarum 5178
Stellaria media, rape 2498
Striga gesnerioides
maize 4279
sorghum 4279
Striga hermonthica
maize 4279
sorghum 4279
sunflowers, as weeds, sorghum 1607
Taraxacum officinale, Poa pratensis 3231
Trifolium repens, Poa pratensis 3231
weeds
Chenopodium quinoa 295
fodder beet 3707
Indian mustard 1650
Limnanthes alba 4234
Lolium 3793
Lotus corniculatus 4203
rape 2498, 4673
Sinapis alba 1650
sugarbeet 1656, 3707, 3827
triticale 4177
cross resistance
Cirsium arvense 1416
Euphorbia esula 1416
Ranunculus acris 861
damage
Buchloe dactyloides 1615
Chenopodium quinoa 295
cranberries 1640
Limnanthes alba 4234
potatoes 314
Prosopis glandulosa 2530
triticale 4177
deposition, *Prosopis glandulosa* 2530
droplet size, *Prosopis glandulosa* 1257
emergence, *Cirsium arvense* 4310
epinasty, cranberries 1640
establishment, *Lotus corniculatus* 4203
formulations 2387
granules 3231
growth rate
Acacia melanoxylon 4240
cranberries 1640
Cupressus lusitanica 4240
Cupressus macrocarpa 4240
Eucalyptus fastigata 4240
maize 3268
Pinus radiata 4240
planting stock 4240
interactions
adjuvants 2387
carriers 3231
fertilizers 3231
herbicides 1607, 1650, 3707, 3793, 3827, 4177, 4198, 4673, 5101
surfactants 2387, 2530
leaves
cranberries 1640
triticale 4177
mode of action
Striga gesnerioides 4279
Striga hermonthica 4279
nozzles, *Prosopis glandulosa* 2530
oils
Indian mustard 1650
Sinapis alba 1650
population density
Cirsium arvense 4310
Solanum carolinense 1599
properties, physicochemical properties 2387
regrowth
Carduus nutans 815
Cirsium arvense 4310
residual effects, potatoes 314
residues
Mentha cardiaca 314

Clopyralid *cont.*
residues *cont.*
soil 1082
resistance
Cirsium arvense 1416
Euphorbia esula 1416
Ranunculus acris 861
roots
Cirsium arvense 1416
Euphorbia esula 1416
seed germination
Striga gesnerioides 4279
Striga hermonthica 4279
selectivity
Carduus nutans 4198
pastures 4198
sorghum 1607
soil
leaching 1082
persistence 1082
photolysis 1082
sorption 1082
volatilization 1082
soil water, *Poa pratensis* 3231
surfactants, *Prosopis glandulosa* 2530
tolerance
Acacia melanoxylon 4240
cranberries 1640
Cupressus lusitanica 4240
Cupressus macrocarpa 4240
Eucalyptus fastigata 4240
Indian mustard 1650
Limnanthes alba 4234
Pinus radiata 4240
planting stock 4240
Poa pratensis 3843
Sinapis alba 1650
translocation, *Prosopis glandulosa* 2530
uptake, *Prosopis glandulosa* 2530
yield components, *Lotus corniculatus* 4203
yields
Agropyron cristatum 1617
Bromus inermis 1617
cranberries 1640
Indian mustard 1650
Lolium 3793
maize 1599
Sinapis alba 1650
sugarbeet 3827
triticale 4177
Clovers (*see Trifolium)*
Cluster beans (*see* guar)
Cnicus benedictus
control
chemical control 502
cultural control 502
physical control 502
fallow
plant succession 502
population dynamics 502
rye
plant succession 502
population dynamics 502
seeds, seed banks 502
sorghum
plant succession 502
population dynamics 502
Coconuts (*Cocos nucifera*)
Chromolaena odorata, yields 4147
Tanzania 3991
weed control
insects 3991
plant pests 3991
weeds
control 323
population density 3991
Cocos nucifera (*see* Coconuts)
Cocoyam (*see Colocasia esculenta)*
Coffea arabica (*see* Coffee)
Coffea canephora (*see* Coffee)
Coffee (*Coffea* spp.)
Chromolaena odorata, yields 4147
Cuba 3049, 3360
Elaterium carthaginense, occurrence 2117
herbicides
adjuvants 1961
application date 2889
application methods 2080
application rates 1961, 2080, 2889

Coffee *cont.*
herbicides *cont.*
damage 1232
herbicide resistant weeds 2889
yields 1232
India 1961
Puerto Rico 1232
weeds
biological control 1659
chemical control 1659, 2080, 2512, 2889, 3360
control 3049
cultural control 1659, 2080, 2512
herbicide resistant weeds 2889
integrated control 2080
occurrence 2080
physical control 1659, 2080, 2889
plant competition 3049
yields 1659
Coformycin 1856
Collards (*see* Kale)
Colloquia (*see* Conferences)
Colocasia esculenta, weeds, control 5080
Colombia
rice
Cyperaceae 98
Poaceae 98
rice, as weeds 1199
Stellaria cuspidata 23
Combretum
Loranthaceae
host parasite relationships 5155
nutrient content 5155
Viscaceae
host parasite relationships 5155
nutrient content 5155
Combretum glutinosum
Burkina Faso 801
weed control
damage 801
regenerative ability 801
Combretum laxum
biology, growth rate 4710
forests
biomass 4710
flooding 4710
invasion 4710
grasslands
biomass 4710
flooding 4710
invasion 4710
Commelina
cereals
population dynamics 4384
soil fertility 4384
maize
population dynamics 4384
soil fertility 4384
Commelina benghalensis
biology
carotenoids 2147
chlorophyll 2147
composition 2147
identification 3887
proteins 2147
reproduction 3887
senescence 2147
stomata 2147
Brazil 548
control
chemical control 3278, 3322, 3887, 4204, 4244
cultural control 3278, 3887
integrated control 3278
physical control 3278, 3322, 3887
cotton, surveys 3956
cucumbers, hosts of plant diseases 548
ecology, habitats 3887
herbicides, nutrient uptake 4244
hosts, viruses 548
sugarcane, surveys 4389
Commelina communis
biology
adenosinetriphosphatase 3973, 4424
alcohols 2146
calcium 509, 4424
calmodulin 4424
carbon dioxide 4828
carbonate dehydratase 4828
composition 3675
enzymes 3973, 4424, 4828

Commelina communis *cont.*
biology *cont.*
guard cells 1113, 3674-3675, 3973, 4424
light 61, 995, 3973, 4828
membrane permeability 3674-3675
pH 3674
photosynthesis 4828
plant growth regulators 1109, 1113, 1500, 1502, 1504, 3674-3675, 3973
plasma membranes 3675
proteins 61
protoplasts 995, 3973
receptors 1113
roots 509, 1500
rubidium 3675
stomata 61, 995, 1109, 1113, 1502, 1504, 2146, 3674-3675, 3973, 4424, 4828
stomatal movement 61, 509, 995, 1109, 1113, 1500, 1502
temperature 3973
tonoplast 3674-3675
transpiration 509, 1500
water relations 1504, 4828
xylem 509
ecology, water stress 1504
Commelina jacobi, sugarcane, surveys 4389
Commelina obliqua, control, chemical control 3382
Common millet (*see Panicum miliaceum)*
Compositae (*see* Asteraceae)
Conferences
10th Australian nitrogen fixation conference 4201
Agricultural analysis in environmental studies 2720-2721
Agricultural development and environmental conservation in the tropical region 4881, 4910
Agriculture in a cleaner environment — new techniques from Britain and Israel 4759
Agroforestry research in the African miombo ecozone 345
Agronomy Society of New Zealand 4613
Allelopathy in agroecosystems (agriculture and forestry) 3028
Allelopathy in sustainable agriculture, forestry and environment 870
American Chemical Society 575-576, 588, 591-593, 599-600, 2280
American Peanut Research and Education Society 874
American Society of Animal Science 3850-3853
American Society of Animal Science, Western Section 2542
Appropriate weed control in Southeast Asia 3964, 3992-3993, 3999, 4152-4154, 4187-4189, 4318, 4342, 4597
Arabidopsis as a model system for studying plant-pathogen interactions 1326
Arable ecosystems for the 21st century 3931, 4155-4156, 4260, 4324
Arable farming under CAP reform 4757, 4794
Basic and applied aspects of seed biology 4331, 4763-4764, 4768
Beltsville symposium 4800
Beltwide cotton conferences 3830-3832, 4392-4394, 4408-4409, 4557, 4686-4691, 5104-5109
Biochemical and cellular mechanisms of stress tolerance in plants 4836
Biochemical Society 2273, 2370
Biology and management of *Orobanche* 2801, 2827-2828, 2831, 2851-2859, 2866-2867, 2876-2878, 2891, 2919-2920, 2927-2930, 2933-2934, 2936-2982, 2985-2986, 2989-2991, 2994-3003, 3421-3425, 3429-3430, 3458
Biomarkers of human exposure to pesticides 575-576, 588, 591-593, 599-600
Breeding for disease resistance with emphasis on durability 4363, 4729
Brighton crop protection conference, pests and diseases 4981-4982, 4993-4994, 4997-5000, 5002-5004
Conferences *cont.*
Brighton crop protection conference, weeds 42-43, 50-51, 57, 116, 138, 141, 150-151, 171-173, 180, 204, 220-222, 225-226, 228-231, 241-247, 260-267, 272-276, 280, 286, 295, 309, 312, 315, 318, 322, 329-330, 397, 425, 430, 449, 697, 750
British Crop Protection Council 3566, 3583, 3585-3591, 3593-3594, 3598, 3607-3609, 3611, 3614, 3622-3623, 3627-3656, 3662-3663, 3669, 3704-3705, 3890
Cellular and molecular aspects of the plant hormone ethylene 2768-2769
Chemistry and fate of modern pesticides 3557, 3560-3565, 3570-3571, 3615-3616, 3618-3619, 3625, 3657-3658, 3660, 3666-3668, 4032-4033, 4078, 4139, 4316
Community-level responses of aquatic organisms to contaminants 161
Comparing glasshouse and field pesticide performance 1017, 1027, 1092, 1120, 1152-1154, 1156-1159, 1167, 1170, 1182-1183, 1316, 1324, 2387
Computer modelling in fruit research and orchard management 777-778
Contracting out weed control 3725, 3729-3732, 3844
Contributions to the knowledge of flora and vegetation of Poland 871
Current themes in pharmaceuticals and agrochemicals — principles and differences 1923, 1926
Danish plant protection conference 3494, 3518, 3582, 3601, 3605-3606, 3626, 3687-3688, 3700, 3744-3745, 3754, 3765-3766, 3773-3774, 3824, 3843, 3889
Ecological implications of livestock herbivory in the west 401
Ecology and management of annual rangelands 3919
Ecology, management and restoration of intermountain annual rangelands 2169, 2222, 2244, 2248-2250, 2255-2256, 2278, 2390, 2455, 2458
European Association for Potato Research 873
European Geophysical Society 623
European Grassland Federation 5056
European Society for Agronomy 468
Extending weed science research to influence agricultural policy 2394-2397
Farming for the environment 1446
Field margins: integrating agriculture and conservation 933, 959, 963-973, 1177, 1238, 1250, 1312-1313, 1325
First world congress on medicinal and aromatic plants for human welfare 4353, 4701
Forage quality, evaluation and utilization 472
Forest vegetation management 32-33, 45, 193, 202, 219, 336-337, 346, 348-352, 354, 361, 363
Future directions for weed science 705, 711-715, 723
German conference on weed biology and control 18, 49, 137, 187, 436-437, 441, 444, 463, 469, 476-477, 480-481, 483, 496-499, 519, 556, 726, 1185
Grassland and society 5056
Grasslands for our world 2899
Herbicide reduction efforts in North America: where do we go from here? 248, 331-332, 339, 694-696, 722
Herbicide resistance workshop 1806-1809, 1813, 1816, 1935-1936, 1971, 2155
Herbicide-resistant crops: a bitter or better harvest? 4878, 4957, 4973, 4975, 5001, 5036, 5066, 5110, 5117-5118, 5128, 5137, 5178, 5185
Herbicides in runoff and surface waters: environmental and regulatory impacts 2304, 2327
Conferences *cont.*
Illinois Specialty Growers Association 428
Illinois State Horticultural Society 428
Insect pathogens and insect parasitic nematodes 3329
Integrated control of food crop pests in the Sahel 978, 980-981, 1194, 1203-1204, 1280-1284, 1322
Integrated pest management of rice in the Caribbean 492, 749, 875, 935, 1198-1202
Interactions of herbicides with membranes 190-191, 194-197
International conference on pests in agriculture 3610, 3814-3815
International congress of pesticide chemistry 2698, 2717, 2790, 2795, 2800, 3207, 3221, 3888, 4008, 4113, 4448, 4455, 4544, 4561, 4565, 4571, 4580, 4856, 4943, 4956, 4961
International crop science I 214-215, 396, 505-506, 1131-1132, 1279
International diatom symposium 4741-4742
International Grassland Congress 2899
International horticultural congress 4251
International Institute for Sugarbeet Research 1321
International Organisation for the Biological and Integrated Control of Noxious Animals and Plants 1317, 1323
International phytogeographic excursion 871
International seminar on the integrated control of enemies of plants in the Sahel 4314
International Society of Citriculture 4475, 4515, 4671-4672
International strawberry symposium 3068
International symposium on adjuvants for agrochemicals 1556-1557, 1562-1568, 1570-1574, 1962
International symposium on crop protection 112, 115, 126, 133, 149, 224, 232, 429, 457, 974, 1273-1274, 3691
International symposium on olive growing 4953, 5181
International symposium on pesticides application techniques 2587-2588, 3229
International symposium on the ecological effects of arctic airborne contaminants 2306
International symposium on timing field production of vegetables 4219-4220
International symposium on *Vaccinium* culture 4390, 4925
International workshop on *Orobanche* and *Striga* research 2801, 2827-2828, 2831, 2851-2859, 2866-2867, 2876-2878, 2891, 2919-2920, 2927-2930, 2933-2934, 2936-2982, 2985-2986, 2989-2991, 2994-3003, 3421-3425, 3429-3430, 3458
Iranian Plant Protection Congress 4320
Iron nutrition in soils and plants 3089
Lipid Group Colloquium 1942-1944, 1965
Long Ashton international symposium 3931, 4155-4156, 4260, 4324
Medicinal plant research 62-63, 376
Morphogenesis in plants: molecular approaches 82
National agricultural plastics congress 4663
National scientific conference 2590
National symposium on maximising and sustaining crop and animal productivity by modern techniques 872
New crops — exploration, research and commercialization 3247, 4598, 4605, 4649
New Zealand Grassland Association 4
New Zealand plant protection conference 3896, 3898, 3903, 3927, 3938, 3945, 3961, 4028, 4107, 4123, 4127, 4135, 4162, 4195-4198, 4203, 4222, 4234, 4240, 4249-4250, 4252,

Conferences *cont.*
New Zealand plant protection conference *cont.* 4254-4255, 4265-4266, 4308-4310, 4317, 4500
Non chemical weed control 3464, 3493, 3500, 3509, 3544, 3715-3716, 3718-3722, 3735-3739, 3751, 3757, 3763, 3807-3808, 3883-3886, 4791, 4802, 4816, 4852, 4986-4991, 5015-5017, 5019-5021, 5023, 5028, 5035, 5058, 5081-5082, 5084, 5086, 5126, 5179, 5184
North Central Weed Science Society 4369, 4405, 4574, 4577, 4586, 4625, 4643, 4693, 4703, 4706-4707, 4752, 4980, 4984, 5182
Northeastern Weed Science Society 3051, 3067, 3141, 3185, 3193-3194, 3231, 3244, 3251, 3267-3268, 3339, 3345, 3364, 3367-3370, 3374, 3378-3380, 3387-3389, 3391-3392, 3451, 3459
Noxious plants conference 4758
Nutrient uptake and cycling in forest ecosystems 4086
Nutrition Society of New Zealand 4034-4035
Okologische Aspekte extensiver Landbewirtschaftung 3020
Pest management — biologically based technologies 3456, 4800
Pesticide movement to water 3566, 3583, 3585-3591, 3593-3594, 3598, 3607-3609, 3611, 3614, 3622-3623, 3627-3656, 3662-3663, 3669, 3704-3705, 3890
Physiology of varieties 937-938
Plant growth regulators in fruit production 4538
Plant nutrition — from genetic engineering to field practice 1836, 1946
Plant protection and environmental conservation in the tropical region: related with use of agrochemicals in the tropics 4881, 4910
Polish geobotanical investigations abroad 2607, 2621-2632, 2636, 2641, 2643, 2661, 2666-2667, 2678, 2680, 2805, 3025
Pre-harvest sprouting in cereals 435, 443, 445-446
Recherches-systeme en agriculture et developpement rural 3428
Regional groundnut workshop for southern Africa 787
Research in photosynthesis 218, 670, 3079, 3087-3088, 3174, 3202, 3211-3217
Research in photosynthesis III 2341
Sampling to make decisions 1731, 3060, 3070, 3078
Scientific meeting of the Institute of Plant Protection 2589
Second international strawberry symposium 4225-4226
Seventh international symposium on molecular plant-microbe interactions 4428-4431
Side effects of pesticides (weeds) 3494, 3518, 3582, 3601, 3605-3606, 3626, 3687-3688, 3700, 3744-3745, 3754, 3765-3766, 3773-3774, 3824, 3843, 3889
Soil and Crop Science Society of Florida 1247
Soil improvement through using legumes 283
Southern Weed Science Society 238-239, 341, 343, 353, 355, 577, 615, 632, 682, 704, 802, 807-808, 815, 820-821, 876, 4878, 4957, 4973, 4975, 5001, 5036, 5066, 5110, 5117-5118, 5128, 5137, 5178, 5185
Spanish Weed Science Society 2159, 2161-2162, 2167, 2173, 2185-2186, 2189, 2195-2197, 2199-2200, 2217-2218, 2224-2233, 2245-2247, 2252-2253, 2307-2308, 2334, 2348, 2353, 2357, 2361, 2391-2393, 2405-2406, 2426-2427, 2436-2439, 2476, 2486-

Conferences *cont.*
Spanish Weed Science Society *cont.* 2487, 2489, 2492, 2494, 2508, 2515, 2535, 2549, 2580-2583, 2591, 3029, 3061
Speciality and exotic vegetable crops 3385
State Horticultural Association of Pennsylvania 4665-4667
Swedish crop protection conference 2592, 3457, 4315
Symposium on engineering as a tool to reduce pesticide consumption and operator hazards in horticulture 1552, 1632, 1719, 2408
Symposium on environmental toxicology and risk assessment 4325
Symposium on soil and soilless media under protected cultivation in mild winter climates 3204
Tagung des Arbeitskreises Phytopharmakologie 1947
The common ground of wild and cultivated plants: introductions, invasions, control and conservation 2670, 2674-2675, 3024
The economic consequences of a drastic reduction in pesticide use in the EU 4143-4144
The impact of genetic variation on sustainable agriculture 398
Third soil and sediment contamination analysis workshop 3172, 3176
Trace elements in man and animals - TEMA 8 835
Understanding crop protection mixtures 3709-3711, 3726, 4129-4133
Weed science conference of China 5183
Weed science education: the cost of ignorance 238-239, 341, 343, 353, 355, 577, 615, 632, 682, 704, 802, 807-808, 815, 820-821, 876
Weed Science Society of America 190-191, 194-197, 248, 331-332, 339, 694-696, 705, 711-715, 722-723, 2304, 2327, 2394-2397, 4319
Weed Science Society of Israel 1730
Working group on *Avena* 15
World congress on agricultural engineering 691-692
World congress on medicinal and aromatic plants for human welfare 1007-1008
Congo
weeds
Asteraceae 2607
Convolvulaceae 2607
Conium maculatum
biology
composition 2543
nomenclature 2543
taxonomy 2543
ecology
climate 2543
distribution 2543
toxicity, livestock 2543
Conradina canescens
Leptochloa dubia
allelopathy 1784
growth rate 1784
seed germination 1784
terpenoids 1784
Schizachyrium scoparium
allelopathy 1784
growth rate 1784
seed germination 1784
terpenoids 1784
Conringia orientalis
barley, seed germination 2158
rye, seed germination 2158
seeds
light 2158
seed dormancy 2158
seed germination 2158
storage 2158
Consolida regalis
barley, seed germination 2158
rye, seed germination 2158
seeds
light 2158
seed dormancy 2158

Consolida regalis *cont.*
seeds *cont.*
seed germination 2158
storage 2158
Container grown plants
herbicides
application methods 2379
environmental impact 2379
safety 2379
weeds
chemical control 2379
control 3375
Convolvulaceae
biology, taxonomy 2607
herbicides, antagonism 3235
Convolvulus
cereals, surveys 1402
control
biological control 3544
chemical control 2406
Convolvulus althaeoides
barley, surveys 3954
chickpeas, surveys 3954
ecology
soil types 3954
surveys 3954
faba beans, surveys 3954
lentils, surveys 3954
maize, surveys 3954
wheat, surveys 3954
Convolvulus arvensis
asparagus
control 3337
New Zealand 3337
barley, surveys 3954
biology
composition 2272, 2403
enzymes 2272
glucosidase inhibitors 2272
root exudates 2272
roots 2272
tropane alkaloids 2272
chickpeas, surveys 3954
control
biological control 2711, 3545
chemical control 2058, 2069, 2411, 2500, 2711, 3346, 3351, 3815, 3842
cultural control 285, 2664
integrated control 285, 2411, 2711
physical control 285, 2058, 2411, 3346, 3351
cotton
surveys 4806
yields 4806
ecology
Nematoda 4813
soil types 3954
surveys 3954
faba beans, surveys 3954
grapes
France 3815
hosts of plant diseases 3985
herbicides
degradation 1511
growth rate 1511
resistance 3545
selectivity 1511
surfactants 2711
translocation 1511
uptake 1511
hosts, mycoplasma-like organisms 3985
lentils, surveys 3954
lucerne
surveys 4806
yields 4806
maize
population density 285
surveys 3954, 4806
USA 285
yields 4806
rice
allelopathy 2664
growth rate 2664
seed germination 2664
seeds
imbibition 436
plant growth regulators 436
scarification 436
seed dormancy 436
seed germination 436

Convolvulus arvensis *cont.*
seeds *cont.*
stimulants 436
storage 436
temperature 436
sorghum
population dynamics 1795
surveys 1795, 4806
yields 4806
soyabeans
population density 285
USA 285
sugarbeet
chemical control 2069
control 2069
surveys 3511
toxicity, Nematoda 4813
USA 2711
utilization, nematicidal plants 2403
vegetables
surveys 4806
yields 4806
wheat
surveys 3954, 4806
yields 4806
Convolvulus sepium (*see Calystegia sepium*)
Conyza
ecology, biotypes 650
herbicides
leaves 650
resistance 650, 2500
translocation 650
trichomes 650
Conyza bonariensis
biology
bolting 1814
development 1814
enzymes 1814, 2637
evolution 2637
flowering 1814
genetic variation 2637
growth stages 1814
life history 2637
light 1814
morphology 2637
peroxidases 1814
superoxide dismutase 1814
taxonomy 2637
ecology
biotypes 1814, 4967
introduction 2637
herbicides
damage 4967
ozone 4967
resistance 1814, 4967
Conyza canadensis
Allium sphaerocephalon, USA 2896
biology
chlorophyll 3081
composition 3081
enzymes 2637
evolution 2637
genes 3202
genetic variation 2637
identification 1355, 3943
life history 2637
light 3081
morphology 2637
mutants 3081, 3202
photosynthesis 3081
pigments 3081
taxonomy 2637
violaxanthin 3081
xanthophyll 3081
zeaxanthin 3081
Canna, USA 2896
control
chemical control 502, 2435, 2896, 4691, 5127
cultural control 502, 2435
physical control 502, 2435
cotton, USA 4691
Crocosmia crocosmiiflora, USA 2896
ecology
biotypes 2373, 3081, 3209
introduction 2637
population density 1355
fallow
plant succession 502
population dynamics 502
USA 5127
Conyza canadensis *cont.*
Hemerocallis, USA 2896
herbicides
application date 5127
chloroplasts 3209
cross resistance 3209
enzymes 2373
photosynthesis 3209
resistance 2219, 2373, 3081, 3202, 3209
superoxide dismutase 2373
ultrastructure 3209
hosts, insects 551
India 551
Iris germanica, USA 2896
Lilium, USA 2896
Narcissus, USA 2896
Ornithogalum umbellatum, USA 2896
Paeonia, USA 2896
rye
allelopathy 2219
growth rate 2219
plant succession 502
population dynamics 502
seed germination 2219
seeds, seed banks 502, 2435, 3943
sorghum
plant succession 502
population dynamics 502, 2435
vegetables
emergence 3943
seasonal variation 3943
seed banks 3943
Conyza floribunda
biology
enzymes 2637
evolution 2637
genetic variation 2637
hybridization 2637
life history 2637
morphology 2637
reproduction 2637
taxonomy 2637
ecology, introduction 2637
Conyza sumatrensis
biology
enzymes 2637
evolution 2637
genetic variation 2637
life history 2637
morphology 2637
taxonomy 2637
ecology
biotypes 4815
introduction 2637
herbicides, resistance 4815
Copper sulfate
control
algae, rice 2015, 5045
cyanobacteria 419
rice 2015
degradation, cyanobacteria 419
growth rate
algae 5045
cyanobacteria 419
nitrogen content, rice 5045
nutrient uptake, rice 5045
resistance, cyanobacteria 419
soil
bacteria 4531
fungi 4531
microbial activities 4531
toxicity, cyanobacteria 419
water
bacteria 4531
fungi 4531
microbial activities 4531
pH 5045
yields, rice 5045
Corchorus capsularis (*see* Jute)
Corchorus olitorius (*see* Jute)
Cordia curassavica, control, biological control 3993
Coreopsis
biology
morphology 2691
pollen 2691
taxonomy 2691
Coreopsis lanceolata
Cyperus esculentus, USA 1248
Eclipta alba, USA 1248
Coreopsis lanceolata *cont.*
herbicides
application rates 2098
damage 1248, 2098
flowering 1248
tolerance 1248, 2098
Coreopsis tinctoria
control
chemical control 2418
cultural control 2418
Coriandrum sativum
France 5126
herbicides
growth rate 295, 4252
population density 4252
New Zealand 4252
Orobanche crenata, seed banks 761
UK 295
weed control, application date 5126
Corn (*see* Maize)
Cornus florida
control
chemical control 351, 820, 5137
physical control 351
herbicides
application date 820, 5137
carriers 820, 5137
Pinus taeda
growth rate 351
plant competition 351
plant height 351
yields 351
USA 5137
Cornus racemosa
biology
growth rate 4709
vegetative propagation 4709
ecology
colonizing ability 4709
disturbed land 4709
habitats 4709
plant competition 4709
population dynamics 4709
soil water 4709
spread 4709
USA 4709
Coronilla varia
maize, USA 3268
biology
embryo culture 1117
growth rate 1117
light 1117
plant growth regulators 1117
somatic embryogenesis 1117
tissue culture 1117
Cirsium arvense
growth rate 2653
plant competition 947, 2653
USA 947, 2653
control, chemical control 3268
herbicides
embryo culture 1117
growth rate 1117
light 1117
somatic embryogenesis 1117
tissue culture 1117
Coronopus didymus
control
chemical control 2460, 3326
physical control 1411, 2460, 3326
ecology
cycling 3927
decomposition 3927
disturbed land 1411
emergence 1411
nutrient content 3927
population dynamics 1411
hosts, insects 97
utilization, green manures 3927
wheat, hosts of plant pests 97
Coronopus squamata, sugarbeet, surveys 3511
Corydalis cava
biology
aroma 64
flowers 64
pigments 64
pollination 64
hosts, beneficial insects 64
Corylus avellana (*see* Hazelnuts)

Corylus cornuta
control, chemical control 800
forests, Canada 800
herbicides, application rates 800
Corynephorus canescens
biology
carbon pathways 508
growth rate 508
photosynthesis 508
roots 508
transpiration 508
water relations 508
ecology
distribution 2103
plant succession 2103
population dynamics 2103
surveys 2103
Cosmos bipinnatus
control
chemical control 4651
integrated control 4651
physical control 4651
herbicides, nutrient uptake 4651
Costa Rica
Arachis pintoi 2847
Arachniodes adiantiformis 5125
Canavalia ensiformis, Rottboellia cochinchinensis 1604
ditch banks, *Ixophorus unisetus* 57
fallow, *Rottboellia cochinchinensis* 286
farmyards, *Eleusine indica* 57
Lablab purpureus, Rottboellia cochinchinensis 1604
Macadamia integrifolia, Crotalaria 91
maize, *Rottboellia cochinchinensis* 286, 1604
Mucuna, Rottboellia cochinchinensis 1604
Phaseolus, Rottboellia cochinchinensis 286
Pueraria phaseoloides, Rottboellia cochinchinensis 1604
weeds 2168
Rottboellia cochinchinensis 2254
Côte d'Ivoire
weed control
integrated control 3281
research 750
rice 750, 3281
weeds
farmers' attitudes 3281
rice 750
utilization 750
Cotton (*Gossypium* spp.)
Abutilon theophrasti
plant competition 31
soil water 31
water relations 31
Amaranthus palmeri
herbicide resistance 4408
USA 333
Asphodelus fistulosus
surveys 4806
yields 4806
Asteraceae, surveys 3956
Australia 4437
Brazil 2201, 3834
Cassia obtusifolia
economic thresholds 946
USA 946
Chromolaena odorata, yields 4147
Commelina benghalensis, surveys 3956
Convolvulus arvensis
surveys 4806
yields 4806
Conyza canadensis, USA 4691
Cynodon dactylon
plant competition 4806
surveys 4806
yields 4806
Cyperaceae, surveys 3956
Cyperus rotundus
surveys 4806
yields 4806
Datura fastuosa
surveys 4806
yields 4806
Digitaria horizontalis, surveys 3956
Echinochloa colonum
surveys 4806
yields 4806
Cotton *cont.*
Egypt 2084-2085
Eleusine indica, herbicide resistance 4408
Euphorbia maculata
bolls 2206
leaf area 2206
plant competition 2206
plant height 2206
population density 2206
USA 2206
yield components 2206
yields 2206
Fabaceae, surveys 3956
herbicides
aerial application 234
antagonism 5108
application date 2082, 4236, 5107
application methods 5105
application rates 1235, 1645, 3834, 4236, 4690, 5107, 5109
bolls 203
carotenoids 4561
chlorophyll 4561
damage 203, 1660, 2330, 5104-5107
deposition 234
drift 234
droplet size 234
economics 333, 4145
environmental impact 2515, 3145
enzyme inhibitors 4561
enzymes 4561
fibres 203, 3677
fruiting 203
growth rate 1905
mode of action 4561
nutrient uptake 2518
phytoene 4561
plant diseases 2892
plant height 1905, 2330
plant pests 1234
quality 1645, 3677
regrowth 3677
residual effects 1905, 2330, 5105
residues 4009
safeners 5105
seed germination 1905
seeds 4009
selectivity 2515, 3834
spot spraying 2086
surfactants 5107
tolerance 3545, 5109
wind effects 234
yield components 3834
yields 203, 333, 798, 1080, 1645, 2083-2084, 2086, 2516, 2518, 3677, 3830, 3834, 4236, 5106
India 798, 1905, 2082, 2517-2519, 2874, 3362
Ipomoea
chemical control 4688
plant competition 3830
USA 4688
Ipomoea eriocarpa, surveys 3956
Israel 1660
Kochia scoparia, USA 333
Nigeria 2083
Pharbitis hederacea, USA 2516
Poaceae, surveys 3956
Proboscidea louisianica
plant competition 31, 3830
soil water 31
water relations 31
Schouwia thebaica
surveys 4806
yields 4806
Sesbania exaltata, occurrence 4443
Setaria verticillata
surveys 4806
yields 4806
Solanum elaeagnifolium
plant competition 31
soil water 31
USA 2086
water relations 31
Solanum nigrum
chemical control 4688
USA 4688, 5107
Solanum sarrachoides
chemical control 4688
USA 4688, 5107
Cotton *cont.*
Sorghum halepense
Greece 4236
herbicide resistance 4409
plant competition 31
soil water 31
water relations 31
Striga
host parasite relationships 2995
root exudates 2995
seed germination 2995
stimulants 2995
Striga asiatica
host parasite relationships 2995
root exudates 2995
seed germination 2995
stimulants 2995
Striga hermonthica
Kenya 2827
surveys 3956
Trianthema portulacastrum
hosts of plant pests 99
India 99
Tribulus terrestris
hosts of plant pests 99
India 99
plant competition 4806
surveys 4806
yields 4806
USA 31, 203, 234, 1011, 1080, 1612, 1645, 2336, 3677, 3830-3832, 4180, 4689-4690, 5104-5106, 5108-5109
weed control
economics 333, 2874, 3832
labour requirements 2874
nutrient uptake 2518
yields 333, 798, 1080, 1235, 2083-2084, 2201, 2516, 2518, 3830-3832
weeds
chemical control 1612, 1661, 2082, 2517-2518, 3362, 3832-3833, 4180, 4687
control 866, 1235, 1588, 2519, 3746
cultural control 3362
herbicide resistance 4557
hosts of plant pests 1011, 4437
integrated control 4145, 4806, 5190
occurrence 3746
physical control 2518
plant competition 2201, 4806
surveys 4392-4394, 4806
yields 2201, 3832, 4686, 4806
Xanthium strumarium
herbicide resistance 4408
plant competition 31
soil water 31
water relations 31
Cotton-Pro 5104
Courgettes (*see* Marrows)
Cowpeas (*Vigna unguiculata*)
Ageratum conyzoides, hosts of plant pests 4846
Alectra vogelii
host parasite relationships 2987
resistance 2987
Brazil 283, 742, 1999
Cameroon 1212
herbicides
α-amylase 1546
bioassays 1546
damage 1212
enzymes 1546
growth rate 2047
mode of action 1546
oxygen 1546
protein synthesis 1546
seed banks 447-448
species diversity 447-448
yields 1212, 2047, 2083
India 2047, 3321, 4186
Nicandra physalodes, hosts of plant pests 4846
Nigeria 447-448, 1629, 2007, 2083
Philippines 2645
Striga gesnerioides
distribution 5161
growth rate 2127
host parasite relationships 2127, 2987, 3001, 3429, 4278, 5161
hosts of plant pests 4278

Cowpeas *cont.*
Striga gesnerioides cont.
phenotypes 5161
resistance 2127, 2987, 3001, 3429
roots 2127
soil types 5161
surveys 5161
USA 4278
Striga hermonthica, Kenya 2827
USA 2409
weed control
growth rate 2047
labour requirements 742
yields 283, 1629, 2047, 2083
weeds
chemical control 2409-2410, 3321
control 305
hosts of plant pests 4846
integrated control 1322, 4314
nutrient content 2645
nutrient uptake 2645
Cranberries (*see Vaccinium)*
Aster subspicatus
fruits 1395
pigments 1395
plant competition 1395
population density 1395
quality 1395
size 1395
USA 1395
yields 1395
herbicides
application date 1640
application rates 1640
damage 1640
epinasty 1640
growth rate 1640
leaves 1640
tolerance 1640
yields 1640
Lotus corniculatus
fruits 1395
pigments 1395
plant competition 1395
population density 1395
quality 1395
size 1395
USA 1395
yields 1395
Potentilla egedii
fruits 1395
pigments 1395
plant competition 1395
population density 1395
quality 1395
size 1395
USA 1395
yields 1395
USA 1640
Crassocephalum crepidioides
ecology
biotypes 4815
distribution 3911
population density 3911
herbicides, resistance 4815
Crassula helmsii
biology
bicarbonates 3445
CAM pathway 3445
carbon dioxide 3445
composition 3445
light 3445
malic acid 3445
pH 3445
photosynthesis 3445
Crataegus laevigata
Clematis vitalba
plant competition 1238
UK 1238
herbicides
growth rate 1238
plant height 1238
weed control
growth rate 1238
plant height 1238
Crataegus monogyna
Viscum album
host parasite relationships 2119
xylem 2119
Viscum cruciatum
host parasite relationships 3420
Crataegus monogyna *cont.*
Viscum cruciatum cont.
Spain 3420
Crepis, urban areas, plant communities 2614
Crepis bursifolia
ecology
distribution 2224
introduction 2224
phenology 2224
gardens, distribution 2224
Crepis capillaris
biology
chromosome aberrations 539, 1823
chromosome pairing 994
chromosomes 994, 3102
DNA 539
meiosis 994
mitosis 539
polyploidy 994
tissue culture 1823
seeds
imbibition 539
seed treatment 539
Crepis tectorum
biology
evolution 56
flowering 56
genetic variation 56
genetics 4348
genotypes 56
leaves 4348
morphology 4348
phenotypes 56
ecology
genotype environment interaction 56
habitats 56
Finland 4348
Sweden 4348
Cress (*Lepidium sativum*)
as weeds
biology, development 899
control
chemical control 4165
physical control 4165
seeds
inhibitors 899
seed germination 899
Elymus repens
allelopathy 4378
growth rate 4378
roots 4378
herbicides
carotenoids 4448, 4561
chlorophyll 4561, 4564
enzyme inhibitors 4561
enzymes 4561
light 4564
mode of action 4561
phytoene 4448, 4561, 4564
Croatia
canals, woody weeds 2529
grapes 320
grasslands, *Calamagrostis epigejos* 2034
maize 2006, 2238
Amaranthus retroflexus 2826
Echinochloa crus-galli 2826
soyabeans 2465-2466
sunflowers
Amaranthus powellii 2061
Ambrosia artemisiifolia 2061
Echinochloa crus-galli 2061
weeds
Datura fastuosa 3512
distribution 3512
flora 1797
herbicide resistant weeds 2686
Panicum miliaceum 2673
rowcrops 1797
Crocosmia crocosmiiflora
Conyza canadensis, USA 2896
Digitaria sanguinalis, USA 2896
ecology
introduction 2674
invasion 2674
Euphorbia humistrata, USA 2896
herbicides
development 2896
flowering 2896
growth rate 2896
tolerance 2896
Crocus sativus
weeds
disturbed land 3504
population dynamics 3504
Crooknecks (*see Cucurbita moschata)*
Crops
weeds
chemical control 4605
plant competition 1182
population density 1182
yields 1182
Crotalaria
hosts, insects 91
Macadamia integrifolia
Costa Rica 91
drop 91
fruits 91
hosts of plant pests 91
Crotalaria anagyroides
control, biological control 3110
India 3110
tea, biological control 3110
Crotalaria grahamiana
control, biological control 3110
India 3110
tea, biological control 3110
Crotalaria incana
biology
composition 2543
nomenclature 2543
taxonomy 2543
ecology
climate 2543
distribution 2543
toxicity, livestock 2543
Crotalaria mucronata, Brazil 1999
Crotalaria paulina, Brazil 283
Crotalaria retusa
biology, composition 389
toxicity, mice 389
Crotalaria spectabilis, control, biological control 1022
Croton bonplandianus
ecology
cadmium 3044
copper 3044
heavy metals 3044
lead 3044
nutrient content 3044
nutrient uptake 3044
soil pollution 3044
zinc 3044
India 3044
Croton glandulosus
biology
anatomy 507
phloem 507
vascular system 507
xylem 507
Croton lobatus, control, chemical control 4692
Cruciferae (*see* Brassicaceae)
Cryptomeria japonica
Japan 3840
weed control, growth rate 3840
Cryptostegia grandiflora
Australia 2532
biology
composition 2543
nomenclature 2543
taxonomy 2543
control
biological control 369
chemical control 2532
ecology
climate 2543
distribution 2543, 3911
population density 3911
herbicides, economics 2532
toxicity, livestock 2543
Cuba
Andropogon gayanus 491
coffee 3049, 3360
rice 1202
Thalia geniculata 1780
tobacco 1774
weeds
Capsicum 1796
coffee 2117
distribution 2641, 2968
economics 2968

Cuba *cont.*
weeds *cont.*
Elaterium carthaginense 2117
field crops 1799
Orobanche ramosa 2968
plantation crops 1799
Cucumbers (*Cucumis sativus*)
algae
biological control 862
chemical control 862
Amaranthus
hosts of plant diseases 93
Spain 93
Amaranthus retroflexus
allelopathy 4385
hosts of plant pests 96
nutrient availability 4385
seed germination 4385
Chenopodium album
allelopathy 485, 1400
growth rate 485, 1400
seed germination 485, 1400
Chenopodium amaranticolor, hosts of plant diseases 3812
Chenopodium murale
allelopathy 4385
nutrient availability 4385
seed germination 4385
Chrysanthemum, hosts of plant pests 96
Commelina benghalensis, hosts of plant diseases 548
Cytisus scoparius
allelopathy 3394
growth rate 3394
nutrient availability 3394
soil types 3394
Datura
hosts of plant diseases 93
Spain 93
Datura stramonium, hosts of plant pests 96
Emilia sonchifolia, hosts of plant pests 96
Eupatorium trapezoideum
allelopathy 2342
growth rate 2342
seed germination 2342
Galinsoga parviflora, hosts of plant pests 96
herbicides
aminolevulinic acid 1141, 2794
application rates 207
bioassays 2793, 4502
carotenoids 1141, 2791
chlorophyll 1141, 2791, 2793-2794, 3811
composition 2791
damage 207, 2839, 3811, 4221
degradation 2771
growth rate 207, 2839, 4502
leaves 4600
light 1141, 2791, 2794
membrane permeability 2793
morphology 2839, 4221
phytoene 2791
phytofluene 2791
pigments 1141, 2791, 2793, 4600
protoporphyrin 2794
residual effects 2839, 5068
selectivity 2771, 3811
synergism 2793
tolerance 207, 2771, 3811
translocation 2771
uptake 2771
variety trials 3811
yields 3811, 4221, 4600, 5068
Hydrocotyle umbellata, hosts of plant pests 96
Italy 5068
Korea Republic 2839
Nicotiana alba
hosts of plant diseases 93
Spain 93
Portulaca oleracea, hosts of plant pests 96
Solanum viarum, hosts of plant diseases 2275
Sonchus asper, hosts of plant pests 96
USA 2409, 3811
weeds
biological control 862
Cucumbers *cont.*
weeds *cont.*
chemical control 862, 2409-2410, 4153
Cucumis melo (*see* Melons)
Cucumis sativus (*see* Cucumbers)
Cucurbita
Orobanche
damage 2933
host parasite relationships 2933
weeds, chemical control 721
Cucurbita foetidissima
ecology
emergence 886
establishment 886
seeds
osmotic pressure 886
pH 886
scarification 886
seed germination 886
soil depth 886
temperature 886
Cucurbita moschata (*see also* marrows, pumpkins and squashes)
USA 3339
weed control, yields 3339
weeds, plant competition 3339
Cucurbitaceae
herbicides
application methods 2593
safety 2593
weeds
chemical control 4153
control 2593
Culinary herbs
algae
biological control 862
chemical control 862
weeds
biological control 862
chemical control 862, 3385
physical control 3385, 4251
Cultural control
afforestation, *Pteridium aquilinum* 3407
barley straw
algae 2150, 2576
ponds 1316
cyanobacteria 2150
ponds 1316
burning
Acer rubrum, Pinus taeda 352, 3372
Agrostis capillaris
Festuca 3304
grasslands 3304
Artemisia tridentata
Elymus smithii 3305
rangelands 3305
Stipa comata 3305
bamboos, as weeds, forests 432
Bromus inermis
Festuca 3302
Festuca altaica 3302
Bromus tectorum, wheat 4375
Centaurea maculosa, rangelands 2035
Chromolaena odorata 3952
Cuscuta 843
Dactylis glomerata
Festuca 3304
grasslands 3304
Eremophila
Enchylaena tomentosa 1207
Maireana tomentosa 1207
rangelands 1207
Rhagodia eremaea 1207
Scaevola spinescens 1207
Euphorbia esula, grasslands 1208
Hakea preissii
Enchylaena tomentosa 1207
Maireana tomentosa 1207
rangelands 1207
Rhagodia eremaea 1207
Scaevola spinescens 1207
Hypericum perforatum 5151
Kalmia angustifolia 818
Picea mariana 809
Liquidambar styraciflua, Pinus taeda 352, 3372
Lolium perenne 1619
Festuca 3304
grasslands 1618, 3304
seed crops 1618
Cultural control *cont.*
burning *cont.*
Mimosa pigra 371
Nyssa sylvatica, Pinus taeda 3372
Poaceae, forests 432
Quercus, Pinus taeda 3372
Quercus nigra, Pinus taeda 352
Quercus phellos, Pinus taeda 352
Raphanus raphanistrum 3034
Rubus parviflorus, forests 363
Rubus spectabilis, forests 363
Schizachyrium scoparium, prairies 1770
Senna
Enchylaena tomentosa 1207
Maireana tomentosa 1207
rangelands 1207
Rhagodia eremaea 1207
Scaevola spinescens 1207
Symphoricarpos occidentalis, Festuca altaica 1206
Ulmus alata, Pinus taeda 352
Vulpia myuros
Festuca 3304
grasslands 3304
weeds
apples 3342
cowpeas 1629
dunes 2103
Festuca 3304
forests 432, 1890
grasslands 3304
heathlands 2103
lawns and turf 1243
Pinus taeda 807
Quercus rubra 5113
tobacco 3361
woody weeds
dunes 2103
heathlands 2103
Pinus taeda 352, 807
rangelands 4060
companion crops
Orobanche crenata
chickpeas 2852
faba beans 2852
lentils 2852
Medicago 2852
peas 2852
soyabeans 2852
Stellaria media
Dactylis glomerata 296
Festuca pratensis 296
Lolium multiflorum 296
meadows 296
oats 296
Phleum pratense 296
Poa annua 296
Urtica dioica
Dactylis glomerata 296
Festuca pratensis 296
Lolium multiflorum 296
meadows 296
oats 296
Phleum pratense 296
Poa annua 296
weeds
Bromus biebersteinii 3303
Bromus inermis 3303
Dactylis glomerata 296
Festuca pratensis 296
Hemarthria altissima 4196
Lolium multiflorum 296
lucerne 3303, 5063
meadows 296
oats 296
Phleum pratense 296
Poa annua 296
cover crops
Acroptilon repens
fodder crops 3791
maize 3791
sorghum 3791
Sorghum sudanense 3791
Ageratum conyzoides
Hevea brasiliensis 3030
oil palms 3030
Amaranthus retroflexus
soyabeans 1624
tomatoes 4659

Cultural control *cont.*
cover crops *cont.*
Asystasia gangetica
Hevea brasiliensis 3030
oil palms 3030
Borreria alata
Hevea brasiliensis 3030
oil palms 3030
Carduus acanthoides 486
Chenopodium album, soyabeans 1624
Cleome rutidosperma
Hevea brasiliensis 3030
oil palms 3030
Cyperus rotundus
Hevea brasiliensis 3030
oil palms 3030
strawberries 4226
Elymus repens
fallow 1996
wheat 1996
Hypericum perforatum 5151
Imperata cylindrica 2153
Oldenlandia herbacea
Hevea brasiliensis 3030
oil palms 3030
Opuntia fragilis, grasslands 1392
Panicum dichotomiflorum, maize 2430
Paspalum conjugatum
Hevea brasiliensis 3030
oil palms 3030
Poaceae, strawberries 4226
Rottboellia cochinchinensis
Canavalia ensiformis 1604
Lablab purpureus 1604
maize 1604
Mucuna 1604
Pueraria phaseoloides 1604
Setaria faberi, tomatoes 4659
Sorghum halepense
apples 2495
peaches 2495
weeds 251
apples 2495, 3813, 5086
apricots 5086
avocados 782
Canavalia ensiformis 1604
cotton 2336, 3831
Cucurbita moschata 3339
fallow 1996
Lablab purpureus 1604
Lolium 3793
maize 1604, 2007, 2430, 3268, 3499, 3775
Mucuna 1604
peaches 2495
pomegranates 3347-3350
Pueraria phaseoloides 1604
soyabeans 1624
squashes 3339
strawberries 4226
sugarbeet 327
tomatoes 4659
vegetables 4149
wheat 1996, 4613
crop residues
Amaranthus retroflexus 4364
Avena sterilis subsp. *ludoviciana* 2664
Bromus tectorum, wheat 4375
Chenopodium album 4364
maize 2829
Convolvulus arvensis 2664
Conyza canadensis 2219
Digitaria sanguinalis 4364
Echinochloa crus-galli 2219
maize 2824
Epilobium ciliatum 2219
Panicum capillare, maize 2824
Panicum dichotomiflorum 4364
Phalaris minor 2664
Setaria viridis 425
Striga hermonthica, maize 2828
weeds 2579, 3735
maize 3499
sugarbeet 327
sunflowers 4231
tobacco 3361
tomatoes 2865
cropping systems
Alopecurus myosuroides 4802

Cultural control *cont.*
cropping systems *cont.*
Amaranthus, maize 1603
Amaranthus palmeri, cotton 333
Apera spica-venti
cereals 262
wheat 262
Avena sterilis, wheat 3464
barley, as weeds 47
Cirsium arvense
barley 47
flax 47
rape 47
wheat 47
Echinochloa, soyabeans 3497
Echinochloa crus-galli, maize 1603
Elymus repens
barley 47
cereals 262
flax 47
rape 47
wheat 47, 262
flax, as weeds 47
Kochia scoparia, cotton 333
Melinis repens
cassava 2825
Eleusine coracana 2825
groundnuts 2825
maize 2825
Orobanche
faba beans 2854
legumes 2854
Orobanche crenata
faba beans 2854
legumes 2854
rape, as weeds 47
Solanum nigrum, maize 1603
Sonchus arvensis
barley 47
flax 47
rape 47
wheat 47
Striga hermonthica 4731
groundnuts 1281
millets 1281
weeds 1951, 3777
cassava 2825
cereals 262, 2812
cotton 333
Eleusine coracana 2825
green manures 3509
groundnuts 2825
maize 2825
millets 2832
rice 2836
wheat 262, 3509
wheat, as weeds, barley 2424
cultivars
Alectra 398
Amaranthus retroflexus, potatoes 3929
Avena fatua, barley 1188
barley, as weeds, wheat 2200, 4794
Bromus tectorum, wheat 1777
Chenopodium album
potatoes 3929
wheat 3261
Cuscuta 843
forests 3892
Vigna mungo 2046
Vigna radiata 2046
Orobanche
faba beans 2859
forests 3892
lentils 2859
peas 2859
Orobanche crenata, faba beans 1686
Orobanche cumana, sunflowers 2876
parasitic weeds, forests 3892
Polygonum aviculare, wheat 3261
Sinapis arvensis, wheat 3261, 4161
Solanum sarrachoides, potatoes 3929
Sorghum halepense, wheat 3261
Striga 398, 1279, 2125
forests 3892
Striga gesnerioides 1284
Striga hermonthica
maize 1690, 3272
millets 1690
sorghum 1690
Tapinanthus, forests 3892

Cultural control *cont.*
cultivars *cont.*
weeds 938, 3250, 3735, 3749
barley 273, 937, 3765
cereals 261
groundnuts 786
maize 1388, 2010
oats 937
peas 1215
Picea abies 5121
potatoes 3929
rice 3295, 3298
soyabeans 940
wheat 273-274, 482, 937, 2819, 3261, 4161, 5028
direct sowing
Poa trivialis
Dactylis glomerata 1205
Festuca pratensis 1205
grasslands 1205
Lolium perenne 1205
Trifolium repens 1205
Rumex obtusifolius
Dactylis glomerata 1205
Festuca pratensis 1205
grasslands 1205
Lolium perenne 1205
Trifolium repens 1205
drainage, algae, oil palms 1273
fallow
Amaranthus retroflexus
rye 502
sorghum 502
Ambrosia artemisiifolia
rye 502
sorghum 502
Aster pilosus
rye 502
sorghum 502
Avena sterilis, wheat 4164
barley, as weeds 47
Cassia obtusifolia
cotton 946
groundnuts 946
maize 946
rye 502
sorghum 502
Cirsium arvense
barley 47
flax 47
rape 47
wheat 47
Cnicus benedictus
rye 502
sorghum 502
Conyza canadensis
rye 502
sorghum 502
Cyperus rotundus 51
Digitaria 51
Elymus repens
barley 47
flax 47
rape 47
wheat 47, 1996
flax, as weeds 47
Heterotheca latifolia
rye 502
sorghum 502
rape, as weeds 47
Raphanus raphanistrum 3034
Solidago canadensis
rye 502
sorghum 502
Sonchus arvensis
barley 47
flax 47
rape 47
wheat 47
Sorghum halepense
rye 502
sorghum 502
Striga hermonthica 51
weeds 51, 3020
maize 270
rice 1174, 2645
sorghum 271
wheat 271, 732, 1996
fertilizers
Abutilon theophrasti, maize 2431
Agrostis stolonifera, barley 3465

Cultural control *cont.*
fertilizers *cont.*
algae, rice 2015
Amaranthus retroflexus
rye 502
sorghum 502
Ambrosia artemisiifolia
rye 502
sorghum 502
Aster pilosus
rye 502
sorghum 502
Avena fatua, barley 3465
Avena sterilis, wheat 3464
Bromus tectorum, wheat 4375
Calamagrostis epigejos, grasslands 2034
Cardamine parviflora, wheat 2418
Cassia obtusifolia
rye 502
sorghum 502
Chenopodium album
barley 3465
maize 2431, 2829
wheat 3261
Cnicus benedictus
rye 502
sorghum 502
Commelina benghalensis, sorghum 3278
Conyza canadensis
rye 502
sorghum 502
Coreopsis tinctoria, wheat 2418
cyanobacteria, rice 2015
Cynodon dactylon, maize 1191
Cyperus difformis
rice 3292
Vigna radiata 3292
Cyperus rotundus 51
maize 1191
sorghum 3278
Dactyloctenium aegyptium
maize 1191
sorghum 3278
Descurainia sophia, wheat 2418
Digera arvensis, sorghum 3278
Digitaria 51
Echinochloa colonum
maize 1191
sorghum 3278
Echinochloa crus-galli
rice 3292
Vigna radiata 3292
Echinochloa glabrescens
rice 3292
Vigna radiata 3292
Eclipta
rice 3292
Vigna radiata 3292
Eleusine indica, sorghum 3278
Elymus repens 1319
Erysimum repandum, wheat 2418
Euphorbia prostrata
rice 3292
Vigna radiata 3292
Fallopia convolvulus, wheat 2418
Galium aparine, barley 3465
Heterotheca latifolia
rye 502
sorghum 502
Hypericum perforatum 5151
Lamium amplexicaule, wheat 2418
Lantana camara 3848
Leptochloa chinensis, rice 4188
Melinis repens
cassava 2825
Eleusine coracana 2825
groundnuts 2825
maize 2825
Monochoria vaginalis
rice 3292
Vigna radiata 3292
Orobanche 2978, 2982, 3421
faba beans 2854
legumes 2854
Orobanche cernua 3421
Orobanche crenata 2930
faba beans 2854, 2856
legumes 2854
Orobanche ramosa, tomatoes 2866

Cultural control *cont.*
fertilizers *cont.*
Paspalum distichum
rice 3292
Vigna radiata 3292
Phyllanthus niruri, sorghum 3278
Poa annua, barley 3465
Polygonum aviculare, wheat 3261
Portulaca oleracea
maize 1191
sorghum 3278
Pteridium aquilinum, grasslands 5056
Setaria faberi 1319
maize 2431
Sinapis arvensis
barley 3763
wheat 3261, 4161
Solidago canadensis
rye 502
sorghum 502
Sorghum halepense
rye 502
sorghum 502
wheat 3261
Stellaria media
barley 3465
Dactylis glomerata 296
Festuca pratensis 296
Lolium multiflorum 296
meadows 296
oats 296
Phleum pratense 296
Poa annua 296
Striga 3421, 3430
Striga asiatica 2930
sorghum 3279-3280
Striga hermonthica 51
maize 2827-2828
sorghum 1606, 2831
Taraxacum officinale
Alopecurus pratensis 298
Dactylis glomerata 298
Festuca pratensis 298
meadows 298
Phleum pratense 298
Poa pratensis 298
Trianthema portulacastrum, sorghum 3278
Urtica dioica
Dactylis glomerata 296
Festuca pratensis 296
Lolium multiflorum 296
meadows 296
oats 296
Phleum pratense 296
Poa annua 296
weeds 51, 260, 938, 958, 1330, 1587, 3735-3736, 3748
Alopecurus pratensis 298
barley 273, 3756
broccoli 2489
cassava 2425, 2825
cauliflowers 4219
cereals 261
Citrus nobilis × mandarins 4229
cotton 2084, 3830
cowpeas 2047
Dactylis glomerata 296, 298-299
Eleusine coracana 2825
faba beans 759
fallow 933, 1983
Festuca pratensis 296, 298
Festuca rubra 299
field crops 3740
fruit crops 5084
grapes 5084
groundnuts 2825, 2881, 3356
hemp 334
Indian mustard 2066, 3822
lawns and turf 1243
linseed 321, 2873
Lolium multiflorum 296
maize 740, 2425, 2825, 3775, 3777
market gardens 5084
meadows 296, 298-299
oats 296
olives 2233
Pennisetum glaucum 5039
Phalaris arundinacea 299
Phleum pratense 296, 298

Cultural control *cont.*
fertilizers *cont.*
weeds *cont.*
Picea sitchensis 354
pigeon peas 4214
Pinus radiata 347, 354
Pinus taeda 354
Poa annua 296
Poa pratensis 298-299
potatoes 2048, 4215
rice 293, 2440, 2645
sesame 3820
soyabeans 3309
sugarbeet 327, 1656
sunflowers 2499
turnips 768
wheat 273-274, 1185, 2815, 3257, 3261, 4161, 5025
flooding
Cyperus difformis, rice 4193
Echinochloa crus-galli, rice 2781, 4193
Lythrum salicaria, wetlands 418
Monochoria vaginalis, rice 4193
Orobanche 2982
Orobanche cernua, tobacco 2890
Orobanche ramosa
faba beans 2851
lentils 2851
peas 2851
Paspalum distichum, rice 4193
grazing
Artemisia frigida
pastures 1617
rangelands 1617
Calamagrostis epigejos, grasslands 2034
Centaurea maculosa, rangelands 2035
Cerastium glomeratum, Lolium perenne 4637
Cirsium vulgare, grasslands 1409
control
Artemisia frigida, rangelands 3300
Centaurea maculosa, rangelands 3300
Cirsium vulgare, rangelands 3300
Delphinium, rangelands 3300
Euphorbia esula, rangelands 3300
Festuca idahoensis, rangelands 3300
Hypericum perforatum, rangelands 3300
Leucanthemum vulgare, rangelands 3300
Pueraria lobata, rangelands 3300
Selaginella densa, rangelands 3300
Senecio, rangelands 3300
Senecio jacobaea, rangelands 3300
Digitaria ciliaris, Lolium perenne 4637
Echinochloa, fallow 1795
Fallopia convolvulus, fallow 1795
Heracleum mantegazzianum
ditch banks 3450
rivers 3450
streams 3450
Hydrocotyle, Lolium perenne 4637
Hypericum perforatum 5151
Imperata cylindrica, plantation crops 3739
Isatis tinctoria, rangelands 3300
Panicum decompositum, fallow 1795
Persicaria longiseta, Lolium perenne 4637
Poa pratensis, Lolium perenne 4637
Polygonum aviculare, fallow 1795
Pteridophyta, plantation crops 3739
Raphanus raphanistrum 3034
Senecio 4723
Senecio jacobaea, pastures 4266
Senecio lautus 4723
Senecio madagascariensis 4723
Sonchus oleraceus, fallow 1795
Urochloa panicoides, fallow 1795
weeds 4154
Agrostis capillaris 300
Cynosurus cristatus 300
Dactylis glomerata 300
dunes 2103

Cultural control *cont.*
grazing *cont.*
weeds *cont.*
faba beans 3757
fallow 1795
Festuca pratensis 300
Festuca rubra 300
grasslands 300
heathlands 2103
Lolium perenne 300, 4637
Pinopsida 3366
plantation crops 3739
Poa pratensis 302
Poa trivialis 300
potatoes 3757
raspberries 1639
rye 3757
Trifolium repens 302
wheat 3757
woody weeds
dunes 2103
firebreaks 3393
heathlands 2103
plantation crops 3739
rangelands 3393
green manures, weeds 5015
ground cover
weeds
grapes 779
maize 1320
intercropping
Ageratum conyzoides, rice 4186
Amaranthus retroflexus, broccoli 5082
Anchusa italica
maize 2196
Phaseolus vulgaris 2196
Borreria articularis, rice 4186
Chenopodium album
broccoli 5082
maize 2196
Phaseolus vulgaris 2196
Cynodon dactylon, rice 4186
Cyperus rotundus
rice 4186
strawberries 4226
Digitaria ciliaris, rice 4186
Echinochloa crus-galli
broccoli 5082
maize 2196
Phaseolus vulgaris 2196
Eleusine indica, rice 4186
Fallopia convolvulus
maize 2196
Phaseolus vulgaris 2196
Melinis repens
cassava 2825
Eleusine coracana 2825
groundnuts 2825
maize 2825
Orobanche crenata
faba beans 2855
fenugreek 2855
Trifolium alexandrinum 2855
Poaceae, strawberries 4226
Polygonum aviculare
maize 2196
Phaseolus vulgaris 2196
Polygonum persicaria
maize 2196
Phaseolus vulgaris 2196
Senecio vulgaris, broccoli 5082
Setaria pumila, rice 4186
Setaria viridis, broccoli 5082
Striga 2125, 3430
Striga gesnerioides, cowpeas 5161
weeds 252, 1587, 5015
Brachiaria decumbens 5058
broccoli 5082
cassava 2425, 2825
cereals 5017
cotton 1661
cowpeas 283
Eleusine coracana 2825
groundnuts 2064, 2762, 2825
legumes 306
lentils 5026
maize 283, 740, 1999, 2007, 2425, 2822, 2825, 5021, 5035

Cultural control *cont.*
intercropping *cont.*
weeds *cont.*
pigeon peas 765, 2477, 2830, 3320
rice 4186
sesame 2064
sorghum 2830
soyabeans 740
strawberries 4226
sugarbeet 329
sugarcane 2884
vegetables 4153
Vigna mungo 1661
Vigna radiata 3320
wheat 5026
irrigation
algae, oil palms 1273
Amaranthus palmeri, cotton 333
Digitaria ischaemum, Poa pratensis 2523
Echinochloa crus-galli, rice 2437, 2689-2690
Heteranthera reniformis, rice 2436
Kochia scoparia, cotton 333
Orobanche 2967, 2978
Orobanche aegyptiaca, tomatoes 2867
rice, as weeds, rice 2437-2438
weeds 958, 1588
cotton 333, 798
lawns and turf 1243
maize 3777
pecans 2060
potatoes 2480
sugarbeet 2197
wheat 5025
no-tillage
Abutilon theophrasti
maize 2657
soyabeans 3794
Amaranthus
maize 3031
soyabeans 3794
Amaranthus blitoides 858
Amaranthus hybridus 858
sorghum 2435
Amaranthus palmeri, cotton 333
Amaranthus retroflexus 858
flax 277
lentils 277
rape 277
rye 502
sorghum 502
wheat 277
Ambrosia artemisiifolia
rye 502
sorghum 502, 2435
Apocynum cannabinum
maize 285
soyabeans 285
Aster pilosus
rye 502
sorghum 502
Avena, sorghum 1795
Avena fatua
barley 2416
rape 2416
wheat 269, 2416
barley, as weeds 47
Bromus diandrus 2580
Bromus tectorum
flax 277
lentils 277
rape 277
wheat 277, 1997
Cassia obtusifolia
rye 502
sorghum 502, 2435
Chenopodium album
flax 277
lentils 277
maize 3031
rape 277
sorghum 2435
soyabeans 3794
wheat 277
Chloris gayana, sorghum 1795
Cirsium arvense
barley 47
flax 47

Cultural control *cont.*
no-tillage *cont.*
Cirsium arvense cont.
rape 47
wheat 47
Cnicus benedictus
rye 502
sorghum 502
Convolvulus arvensis
maize 285
sorghum 1795
soyabeans 285
Conyza canadensis
rye 502
sorghum 502, 2435
Descurainia sophia
flax 277
lentils 277
rape 277
wheat 277
Dichanthium sericeum, sorghum 1795
Digitaria sanguinalis, sorghum 2435
Echinochloa, sorghum 1795
Echinochloa crus-galli, maize 2824
Elymus repens
barley 47
flax 47
maize 290
rape 47
wheat 47
Equisetum arvense, wheat 269
Eragrostis cilianensis, sorghum 1795
Fallopia convolvulus
barley 2416
flax 277
lentils 277
rape 277, 2416
wheat 269, 277, 2416
flax, as weeds 47
Galeopsis tetrahit, wheat 269
Galium tricorne 2580
Heterotheca latifolia
rye 502
sorghum 502
Hordeum jubatum, wheat 269
Kochia scoparia 858
cotton 333
sorghum 2434
Panicum capillare, maize 2824
Panicum decompositum, sorghum 1795
Panicum miliaceum 858
Polygonum lapathifolium, wheat 269
Portulaca oleracea
maize 3031
sorghum 1795
rape, as weeds 47
Rosa, wheat 269
Rottboellia cochinchinensis
maize 286
Phaseolus 286
Salsola iberica 858
flax 277
lentils 277
rape 277
wheat 277
Senecio vulgaris
barley 2416
rape 2416
wheat 269, 2416
Setaria viridis 858
Solidago canadensis
rye 502
sorghum 502
Sonchus arvensis
barley 47
flax 47, 277
lentils 277
rape 47, 277
wheat 47, 277
Sonchus oleraceus, sorghum 1795
Sorghum halepense
rye 502
sorghum 502
Taraxacum officinale
barley 2416
flax 277
lentils 277
rape 277, 2416
wheat 269, 277, 2416

Cultural control *cont.*
no-tillage *cont.*
Teucrium canadense
maize 285
soyabeans 285
Thlaspi arvense
barley 2416
flax 277
lentils 277
rape 277, 2416
wheat 269, 277, 2416
Tribulus, sorghum 1795
Trifolium repens 4
Urochloa panicoides, sorghum 1795
Vicia villosa, maize 2430
weeds 900, 1090, 2579
barley 2821, 5027
cereals 3753
cotton 333, 2336, 3832
cowpeas 1629
fallow 270
linseed 321
lucerne 3306
maize 284, 614, 743, 2010, 2429, 2756, 3031, 3047, 3166, 3904
olives 2879
peas 5027
pomegranates 3347-3350
rape 2821
rice 3904
sorghum 271, 729, 1795
soyabeans 2429, 3309, 3794
wheat 271, 729-730, 732, 3753, 5027
Xanthium spinosum, sorghum 1795
Xanthium strumarium, sorghum 2435
organic wastes, weeds, cotton 3831
oversowing
Poa annua, Cynodon transvaalensis × *C. dactylon* 2091
Pteridium aquilinum, grasslands 5056
plant residues, *Salvinia molesta* 2560-2561
pruning, algae, oil palms 1273
puddling, rice, as weeds, rice 5054
resowing, *Calamagrostis epigejos,* grasslands 2034
rotations
Abutilon theophrasti, maize 2602
Amaranthus retroflexus
flax 277
lentils 277
rape 277
wheat 277
Apera spica-venti, cereals 5019
Apocynum cannabinum
maize 285
soyabeans 285
Asclepias syriaca 456
Avena sterilis, wheat 3464, 4164
barley, as weeds, rape 3773
Bromus, cereals 1404
Bromus diandrus
Lupinus 1591
wheat 1591
Bromus rigidus
Lupinus 1591
wheat 1591
Bromus tectorum
flax 277
lentils 277
rape 277
wheat 277, 1997
Cassia obtusifolia
cotton 946
groundnuts 946
maize 946
Chenopodium album
flax 277
lentils 277
rape 277
wheat 277
Cirsium arvense 1783
cereals 5019
Convolvulus arvensis
maize 285
soyabeans 285
Descurainia sophia
flax 277
lentils 277

Cultural control *cont.*
rotations *cont.*
Descurainia sophia cont.
rape 277
wheat 277
Echinochloa crus-galli
maize 2824
soyabeans 3493
Elymus repens
maize 1600
soyabeans 1600
wheat 1996, 2420
Fallopia convolvulus
flax 277
lentils 277
rape 277
wheat 277
Heteranthera limosa, rice 752
Heteranthera reniformis, rice 752, 2436
Leptochloa chinensis, rice 4188
Orobanche 2967, 2978, 2982
faba beans 2854
legumes 2854
peas 1628
Orobanche cernua, tobacco 2890
Orobanche crenata
faba beans 2854, 2975
legumes 2854
lentils 2975
Orobanche cumana, sunflowers 2876
Panicum capillare, maize 2824
rice, as weeds, rice 1199
Rottboellia cochinchinensis
maize 286
Phaseolus 286
Salsola iberica
flax 277
lentils 277
rape 277
wheat 277
Setaria viridis, maize 2602
Sinapis arvensis
barley 3763
rape 3773
Sonchus arvensis
flax 277
lentils 277
rape 277
wheat 277
Striga 4323
sunflowers, as weeds, sunflowers 2062, 3353
Taraxacum officinale
flax 277
lentils 277
rape 277
wheat 277
Teucrium canadense
maize 285
soyabeans 285
Thlaspi arvense
flax 277
lentils 277
rape 277
wheat 277
weeds 260, 694, 718, 958, 1587-1588, 1980, 2407, 2579, 3735, 3748-3749, 4986
barley 267, 1994
cereals 261, 265-266, 2811-2812, 5019
faba beans 5067
fruit crops 5084
grapes 5084
horticultural crops 721
legumes 306
maize 741, 2809
market gardens 5084
Phaseolus 267
potatoes 3803
rape 267
rice 2645
sorghum 271, 729, 2809
soyabeans 2809, 3309
sugarbeet 1656, 1994, 2809, 3525
sunflowers 2809
triticale 5031
vegetables 4149, 4153

Cultural control *cont.*
rotations *cont.*
weeds *cont.*
wheat 267, 271, 729, 1185, 1994, 1996, 2421-2422, 2809, 5028
row spacing
Ageratum conyzoides, soyabeans 4205
Amaranthus retroflexus, potatoes 3929
Avena fatua, barley 1189
Celosia argentea, soyabeans 4205
Chenopodium album, potatoes 3929
Echinochloa, soyabeans 3497, 4205
Fagopyrum tataricum, rape 1228
Lolium multiflorum, wheat 278
Panicum, soyabeans 4205
rape, as weeds, barley 1189
Sinapis arvensis, barley 1189
Solanum sarrachoides, potatoes 3929
Sorghum halepense, soyabeans 2214
weeds 5017
barley 1189
cereals 261
cotton 2201
groundnuts 786
hemp 334
maize 740, 3274, 3777
potatoes 3929
rice 2029
Sesbania sesban 345
soyabeans 940, 2472, 3797-3798, 4205
vegetables 4149
wheat 2819
seed purity
Echinochloa colonum, rice 1202
Echinochloa crus-galli, rice 1202
Heteranthera reniformis, rice 2436
Leptochloa fascicularis, rice 1202
Luziola spruceana, rice 1202
Orobanche cumana, sunflowers 2876
Thalia geniculatis, rice 1202
seedbed preparation
barley, as weeds, rape 3773
Capsella bursa-pastoris, Coriandrum sativum 4252
Cassia obtusifolia, soyabeans 2471
Chenopodium album, Coriandrum sativum 4252
Commelina benghalensis 3887
Convolvulus arvensis, Coriandrum sativum 4252
Cyperus esculentus, groundnuts 4679
Desmodium tortuosum, groundnuts 4679
Ipomoea lacunosa, soyabeans 2471
Lamium purpureum, Coriandrum sativum 4252
Melinis repens
cassava 2825
Eleusine coracana 2825
groundnuts 2825
maize 2825
Panicum texanum, groundnuts 4679
Sinapis arvensis, rape 3773
sugarbeet, as weeds, sugarbeet 2070
sunflowers, as weeds, sunflowers 2062
weeds 3749, 4156, 4986
Anethum graveolens 5126
cassava 2825
Coriandrum sativum 4252, 5126
Eleusine coracana 2825
fruit crops 428
groundnuts 2825, 4679
maize 2825
parsley 5126
rice 3295
sugarbeet 4587
vegetables 3249, 4153
shading
Abutilon theophrasti 467
algae, oil palms 1273
Datura stramonium 467
Opuntia fragilis, grasslands 1392
Sorghum halepense 467
weeds 1985
wheat 1185
site preparation
Echinochloa colonum, rice 1202

Cultural control *cont.*
site preparation *cont.*
Echinochloa crus-galli, rice 1202
Kalmia angustifolia, Picea mariana 809
Leptochloa chinensis, rice 4188
Luziola spruceana, rice 1202
Panicum maximum
Eucalyptus torelliana 340
maize 340
weeds 337
barley 5027
coffee 2080
cowpeas 1629
forests 3364
maize 743
peas 5027
Picea sitchensis 354
Pinus radiata 347, 354
Pinus taeda 349, 354
vegetables 4153
wheat 5027
sowing date
Alopecurus myosuroides
rye 4617
wheat 4617
Amaranthus, maize 1603
Apera spica-venti
rye 4617
wheat 4617
Bromus, cereals 1404
Capsella bursa-pastoris, Trifolium repens 4639
Cyperus rotundus, wheat 727
Echinochloa crus-galli, maize 1603
Erigeron sumatrensis, Trifolium repens 4639
Galium aparine, rape 42
Lolium multiflorum, Trifolium repens 4639
Matricaria perforata, rape 42
Medicago polymorpha, wheat 727
Melilotus, wheat 727
Orobanche 2967, 2978, 2982, 3421
faba beans 2859, 2957
lentils 2859
peas 1628, 2859
Orobanche cernua 3421
tobacco 2890
Orobanche crenata, faba beans 2853
Phalaris minor, wheat 727
Pharbitis hederacea, soyabeans 4372
rape, as weeds, wheat 276
Rumex, Trifolium repens 4639
Sagittaria trifolia, rice 1391
Sinapis arvensis, barley 3763
Solanum nigrum, maize 1603
Stellaria media, rape 42
sugarbeet, as weeds, sugarbeet 2070
sunflowers, as weeds, sunflowers 3353
Trifolium fragiferum, wheat 727
Veronica persica, rape 42
weeds 3735, 3748
cereals 261
lucerne 5063
maize 3776
triticale 5033
wheat 1582, 5025
Xanthium strumarium, soyabeans 4372
sowing depth
Echinochloa crus-galli, rice 2449
weeds
flax 2475
lentils 2475
sowing methods
Aeschynomene indica, rice 1406
Ageratum conyzoides, soyabeans 4205
Alopecurus geniculatus 1722
Amaranthus palmeri, cotton 333
Anagallis arvensis, wheat 1211
Arthraxon hispidus, rice 1406
Bidens tripartita, rice 1406
Celosia argentea, soyabeans 4205
Chenopodium album, wheat 1211
Cyperus difformis, rice 1386, 1405
Cyperus iria, soyabeans 1211
Cyperus rotundus, wheat 727
Digitaria sanguinalis, rice 1406
Echinochloa 4342

Cultural control *cont.*
sowing methods *cont.*
Echinochloa cont.
soyabeans 4205
Echinochloa colonum, soyabeans 1211
Echinochloa crus-galli, rice 1384, 1386, 1405-1406, 2449, 2689-2690
Eclipta alba, soyabeans 1211
Eleocharis kuroguwai, rice 1384, 1386, 1405-1406
Kochia scoparia, cotton 333
Medicago polymorpha, wheat 727, 1211
Melilotus, wheat 727
Monochoria vaginalis, rice 1405-1406
Orobanche ramosa
faba beans 2851
lentils 2851
peas 2851
Panicum, soyabeans 4205
Phalaris minor, wheat 727, 1211
Poa annua 1722
Poaceae, rice 1406
Scirpus juncoides, rice 1386, 1405
Sinapis arvensis, barley 3763
Trifolium fragiferum, wheat 727
weeds 4156
chicory 5083
cotton 333
hemp 334
Pennisetum glaucum 745, 5039
rice 1384-1386, 1405-1406, 2029, 2451-2452, 3289
soyabeans 4205
sugarbeet 327, 1968, 4587
vegetables 4149
wheat 2819, 3259, 5024
sowing rates
Avena fatua, barley 1188-1189
barley, as weeds, peas 322
Capsella bursa-pastoris, Trifolium repens 4639
Chenopodium album, sugarbeet 2068
Cynodon dactylon, Vigna radiata 4367
Cyperus rotundus, Vigna radiata 4367
Erigeron sumatrensis, Trifolium repens 4639
Fagopyrum tataricum, rape 1228
Galium aparine, rape 42
Lolium multiflorum
Trifolium repens 4639
wheat 278
Matricaria perforata, rape 42
Orobanche crenata
chickpeas 2852
faba beans 2852
lentils 2852
Medicago 2852
peas 2852
soyabeans 2852
Polygonum, sugarbeet 2068
rape
as weeds
barley 1189
wheat 276
Rumex, Trifolium repens 4639
Setaria viridis, safflower 322
Sinapis arvensis, barley 1189
Stellaria media, rape 42
Veronica persica, rape 42
weeds 938, 1182, 5017
barley 1189, 3765
Bromus inermis 297
cereals 261
cotton 2085
cowpeas 2047
Dactylis glomerata 297
Eleusine coracana 5043
fallow 1983
Festuca arundinacea 297
Festuca pratensis 297
flax 2475
groundnuts 5043
lentils 2475, 3317
linseed 2873
Lolium perenne 297
maize 3274

Cultural control *cont.*
sowing rates *cont.*
weeds *cont.*
meadows 297
peas 1215, 3317
Phleum pratense 297
rice 5043
sesame 3820
soyabeans 2472, 5043
sugarbeet 2068
sweet potatoes 4653
Vigna radiata 4367
wheat 274, 1185, 3257
wheat, as weeds, barley 2424
trap crops
Alectra 398
Cuscuta, forests 3892
Orobanche 2967, 2982
forests 3892
Orobanche cernua, tobacco 2890
Orobanche crenata, peas 761
Orobanche cumana, sunflowers 2876
parasitic weeds, forests 3892
Striga 398, 4323
forests 3892
Striga hermonthica, maize 2827
Tapinanthus, forests 3892
undersowing
weeds
Agrostis capillaris 300
Cynosurus cristatus 300
Dactylis glomerata 300
Festuca pratensis 300
Festuca rubra 300
grasslands 300
Lolium perenne 300
Miscanthus sinensis 2099
Poa trivialis 300
pome fruits 2054
water flow
Scirpus acutus
channels 4748
rivers 4748
water management
Leptochloa chinensis, rice 4188
weeds, rice 4189
Cuminum cyminum, *Orobanche crenata,* seed banks 761
Cumyluron, legislation, UK 240
Cupressus lusitanica
herbicides
growth rate 4240
tolerance 4240
New Zealand 4240
weed control
growth rate 4240
tolerance 4240
Cupressus macrocarpa
herbicides
growth rate 4240
tolerance 4240
New Zealand 4240
weed control
growth rate 4240
tolerance 4240
Curcuma longa (*see* Turmeric)
Cuscuta
biology
anatomy 843
haustoria 843
identification 3892
physiology 843
taxonomy 843
control
biological control 843, 2018, 3892
chemical control 843, 3892, 4208
cultural control 843, 3892
physical control 843, 3892
ecology 843
habit 3892
host parasite relationships 843, 3892
economics 843
faba beans, Morocco 4208
forests, host parasite relationships 3892
tobacco
economics 2081
growth rate 2081
host parasite relationships 2081
nutrient availability 2081
utilization 843

Cuscuta *cont.*
Vigna mungo
host parasite relationships 2046
India 2046
resistance 2046
yields 2046
Vigna radiata
host parasite relationships 2046
India 2046
resistance 2046
yields 2046
Cuscuta arvensis (*see Cuscuta campestris)*
Cuscuta australis
biology
development 1698
flowers 1698
control, biological control 399
Cuscuta babylonica
biology
chromosomes 400
meiosis 400
mitosis 400
Cuscuta campestris
biology
identification 1694
morphology 1694
taxonomy 1694
control, chemical control 2069
ecology, distribution 1694
sugarbeet
chemical control 2069
control 2069
Cuscuta chinensis
control, biological control 399
ecology, distribution 1364
Cuscuta epithymum
biology, pollination 1285
Hormathophylla spinosa
fruiting 1285
host parasite relationships 1285
reproduction 1285
seed production 1285
Spain 1285
hosts, beneficial insects 1285
Cuscuta europaea
Aegopodium podagraria
chlorophyll 2128
flowering 2128
growth rate 2128
host parasite relationships 2128
Lithuania 2128
biology
clones 4281
stolons 4281
vegetative propagation 4281
ecology
light 4281
nutrient availability 4281
shade 4281
spatial distribution 4281
Fraxinus excelsior
chlorophyll 2128
flowering 2128
growth rate 2128
host parasite relationships 2128
Lithuania 2128
Lamium album
chlorophyll 2128
flowering 2128
growth rate 2128
host parasite relationships 2128
Lithuania 2128
raspberries
chlorophyll 2128
flowering 2128
growth rate 2128
host parasite relationships 2128
Lithuania 2128
Solidago canadensis
chlorophyll 2128
flowering 2128
growth rate 2128
host parasite relationships 2128
Lithuania 2128
Urtica dioica
chlorophyll 2128
flowering 2128
growth rate 2128
host parasite relationships 2128
Lithuania 2128
Cuscuta hyalina
biology
identification 1694
morphology 1694
taxonomy 1694
ecology, distribution 1694
Cuscuta japonica
tobacco
China 3433
host parasite relationships 3433
utilization, antifungal plants 3248
Cuscuta lupuliformis
control, chemical control 3004
herbicides
amino acids 3004
anthocyanins 3004
composition 3004
growth rate 3004
mode of action 3004
proteins 3004
tryptophan 3004
Cuscuta maritima, control, biological control 399
Cuscuta monogyna
biology
identification 1694
morphology 1694
taxonomy 1694
ecology, distribution 1694
Cuscuta pedicellata
biology
identification 1694
morphology 1694
taxonomy 1694
ecology, distribution 1694
Cuscuta planiflora
biology
identification 1694
morphology 1694
taxonomy 1694
control, chemical control 2857
ecology, distribution 1694
faba beans, host parasite relationships 2857
Trifolium alexandrinum, host parasite relationships 2857
Cuscuta platyloba
Chamaecytisus hirsutus
composition 1697
host parasite relationships 1697
quinolizidine alkaloids 1697
translocation 1697
Cytisus praecox
composition 1697
host parasite relationships 1697
quinolizidine alkaloids 1697
translocation 1697
Petteria ramentacea
composition 1697
host parasite relationships 1697
quinolizidine alkaloids 1697
translocation 1697
Spartium junceum
composition 1697
host parasite relationships 1697
quinolizidine alkaloids 1697
translocation 1697
Cuscuta reflexa
biology
haustoria 4280
molecular genetics 4280
nucleotides 4280
nutrient uptake 1695-1696
plant growth regulators 4280
proteins 4280
translocation 1695-1696
transpiration 1695
Brassica campestris
carotenoids 4735
chlorophyll 4735
chloroplasts 4735
fatty acids 4735
glycolipids 4735
host parasite relationships 4735
linoleic acid 4735
linolenic acid 4735
phospholipids 4735
Chamaecytisus hirsutus
composition 1697
host parasite relationships 1697
quinolizidine alkaloids 1697
Cuscuta reflexa *cont.*
Chamaecytisus hirsutus cont.
translocation 1697
Cytisus praecox
composition 1697
host parasite relationships 1697
quinolizidine alkaloids 1697
translocation 1697
Lupinus albus
host parasite relationships 1695-1696
nutrient uptake 1696
Petteria ramentacea
composition 1697
host parasite relationships 1697
quinolizidine alkaloids 1697
translocation 1697
sarson
carotenoids 2129
chlorophyll 2129
chloroplasts 2129
enzymes 2129
fatty acids 2129
host parasite relationships 2129
lipids 2129
photosynthesis 2129
triacylglycerol lipase 2129
Spartium junceum
composition 1697
host parasite relationships 1697
quinolizidine alkaloids 1697
translocation 1697
utilization, medicinal plants 842
Cuscuta trifolii
biology
carbohydrates 5162
plant growth regulators 5162
tissue culture 5162
herbicides, tissue culture 5162
lucerne, host parasite relationships 5162
Cuscutaceae
biology
flowering 3858
fruiting 3858
identification 3858
ecology
distribution 3858
habitats 3858
host parasite relationships 3858
Cushaws (*see Cucurbita)*
Cyamopsis tetragonoloba (*see* Guar)
Cyanazine
adjuvants
Bromus sterilis 1729
faba beans 4125
maize 4125
peas 4125
potatoes 4125
rape 4125
sugarbeet 4125
analytical methods
enzyme immunoassay 3574
extraction 569, 1460
gas chromatography 569
HPLC 569
immunoassay 1460
sampling 3560
thin layer chromatography 2305
application
application methods 2327
application rates 2327
band spraying 2327
rain 2327
application date
Bromus sterilis 1729
maize 2431, 3268
Trifolium incarnatum 757
application methods, *Bromus sterilis* 1729
application rates
Amaranthus hybridus 3076
faba beans 4125
maize 2431, 3265, 3584, 4125
peas 4125
potatoes 4125
rape 4125
soyabeans 3265, 3584
sugarbeet 4125
wheat 3265
bioassays, oats 2293
chemistry
degradation 1908

Cyanazine *cont.*
chemistry *cont.*
ozone 2748
ultraviolet radiation 2748
control
Abutilon theophrasti, maize 2431
Amaranthus hybridus 3076
Amaranthus retroflexus, maize 2006, 2826
Bromus sterilis 1159, 1729
Brunnichia ovata, cotton 5104
cereals, as weeds, rape 2498
Chenopodium album
Chenopodium quinoa 295
maize 2006, 2431
Coronilla varia, maize 3268
Echinochloa crus-galli, maize 2006, 2826
Elymus repens, maize 290
Galium aparine, rape 2498
Oenothera laciniata, cotton 5104
Panicum dichotomiflorum, cotton 5104
Papaver, rape 2498
Pharbitis hederacea, cotton 2516, 5104
Poaceae, rape 2498
Polygonum lapathifolium, maize 2006
Setaria faberi, maize 2431
Setaria pumila, maize 2006
Setaria viridis, maize 3269
Sinapis arvensis, rape 942, 2498
Stellaria media
barley 2257
rape 2498
wheat 2257
weeds
Chenopodium quinoa 295
cotton 5104
faba beans 4125
Lupinus albus 2463
maize 101, 1908, 2304, 2826, 3265, 3771, 4125
peas 4125
potatoes 4125
rape 2498, 4125
soyabeans 3265
sugarbeet 4125
wheat 730, 3265
cross resistance, *Abutilon theophrasti* 1810
damage
Chenopodium quinoa 295
cotton 5104
oats 2293
economics, wheat 730
energy relations
maize 3265
soyabeans 3265
wheat 3265
formulations 2327
growth rate
Lemna minor 3436
maize 3268
interactions
adjuvants 1729, 4125
copper sulfate 3560
fertilizers 2431
herbicides 2826, 5104
legislation, USA 2304
nutrient uptake
algae 3436
cyanobacteria 3436
parenchyma, celery 1519
pH, celery 1519
phloem, celery 1519
properties, solubility 2327
registration, Canada 3436
residual effects, oats 2293
residues
atmosphere 1884, 3560
drinking water 2304-2305, 3584
groundwater 3140
lakes 582, 2304
maize 1460, 3574
rain 3560
river water 1884, 2304
soil 569, 582, 633, 1865, 1884, 1908, 2293, 2327, 4523, 4875
streams 2304
surface water 2304

Cyanazine *cont.*
residues *cont.*
water 569, 582, 1884, 2305, 2327, 2748, 3560
water reservoirs 2304
resistance
Abutilon theophrasti 1810
Amaranthus hybridus 3076
seed production, *Trifolium incarnatum* 757
soil
bacteria 4523
biodegradation 1884, 4523
chemical degradation 633
degradation 1884, 1908
leaching 2327
microbial degradation 633
microorganisms 1884
movement 1884, 2327
persistence 2293, 2327
pH 633
rain 1884
runoff 582, 1884, 2327
soil types 633
soil water 1159
sorption 2327
soil water, *Bromus sterilis* 1159, 1729
temperature, *Bromus sterilis* 1729
toxicity
aquatic organisms 3436
carcinogens 3584
Crustacea 3158
ecosystems 3436
man 3584
uptake, celery 1519
water
movement 1884
pH 2748
photolysis 2748
temperature 2748
yields
cotton 2516
Lupinus albus 2463
maize 3265
soyabeans 3265
wheat 3265

Cyanobacteria
barley, allelopathy 2150
biology
composition 3019, 4304
growth rate 4306
identification 2577
toxins 3019, 4304
control
biological control 421
chemical control 2015-2016, 5176
cultural control 1316, 2015
ecology
fertilizers 2016, 4306
habitats 4306
nutrient availability 2016, 4306
population density 4306
water pollution 1718, 4306
herbicides
amino acids 1537
application rates 4551
binding sites 1537, 1539
carotenoids 2792, 4561
cell culture 4448, 4561
chlorophyll 2358, 4534, 4561-4562, 4861
composition 2358, 2792
cross resistance 3203
degradation 419
electron transfer 1537-1538, 1544, 3203, 3692, 4861, 4963
enzyme inhibitors 4561
enzymes 1149, 1533, 2792, 4561
fluorescence 4562
genes 3203
genetic transformation 1533
genetics 4305
growth rate 419, 1076, 1149, 2358, 3448, 4102, 4534, 4551
light 4963
mode of action 4561, 4861, 4963
mutants 1537-1539, 1544, 2792, 3203, 3217, 3692
mutations 1544
nitrogen 2358
nitrogen fixation 4551

Cyanobacteria *cont.*
herbicides *cont.*
nucleotide sequences 3203
nutrient uptake 3436
phenolic compounds 2358
photosynthesis 1537-1538, 4861, 4963
photosystem II 1539, 1544, 3203, 3217, 4861, 4963
phytoene 2792, 4561
pigments 4304
population dynamics 4305
proteins 3203, 3692
resistance 419, 1533, 1538, 1544, 2792, 3203, 3448, 4305
species diversity 3448, 4305, 4534
sugars 2358
superoxide dismutase 1149
susceptibility 4551
thylakoids 1538, 3692, 4561
tolerance 661, 1539
toxins 4304
India 4551
lakes, India 4304
ponds
India 3878
Japan 4305
rice
fertilizers 2015
Korea Republic 2015
salinity 2015
Thailand 421
toxicity 4306
man 3019
mice 3878, 4304
pigs 3019
utilization
algicidal plants 4304
indicator plants 3435

Cycloate
application date, sugarbeet 5098
control
Amaranthus retroflexus, sugarbeet 5098
Chenopodium album, sugarbeet 5098
Kochia scoparia, sugarbeet 5098
Solanum sarrachoides, sugarbeet 5098
weeds
spinach 5068
sugarbeet 5098
interactions, herbicides 5098
residual effects
broccoli 5068
cucumbers 5068
Phaseolus vulgaris 5068
spinach 5068
yields
broccoli 5068
cucumbers 5068
Phaseolus vulgaris 5068
spinach 5068

Cyclohexane-1,3-dione, 2-(2-chloro-4-mesylbenzoyl)- 4626

Cyclohexanedione, 2-(2-chloro-4-mesylbenzoyl)-1,3- 2426, 3770

Cyclohexanol, *trans*-2-methyl-1-[2-(4-methoxy-2,3,5,6-tetrafluorophenyl) ethynyl]- 1859

Cyclohexene oxime herbicides
acetyl-CoA carboxylase
barley 1947
oats 1947
chemistry
binding 4008
structure activity relationships 1947, 4008
control, Poaceae 4008
enzymes
barley 1947
oats 1947
fatty acids
barley 1947
oats 1947

Cycloxydim
acetyl-CoA carboxylase
barley 1947
oats 1947
adjuvants
faba beans 4125
maize 4125

Cycloxydim *cont.*
adjuvants *cont.*
peas 4125
potatoes 4125
rape 4125
sugarbeet 2886, 4125
application date
potatoes 313
sugarbeet 793
application methods, potatoes 313
application rates
faba beans 4125, 4210
maize 4125
peas 4125
potatoes 313, 4125
rape 4125
sugarbeet 793, 2886, 4125
chemistry
degradation 4974
photolysis 4974
control
Avena fatua, rape 4974
Avena sterilis, faba beans 4210
barley
as weeds 4974
rape 4974
Chenopodium, Lotus corniculatus 1623
Cirsium arvense, Lotus corniculatus 1623
Echinochloa crus-galli
cucumbers 4221
rice 2437
sugarbeet 2886
rice, as weeds, rice 2437
weeds
faba beans 4125
Lotus corniculatus 1623
maize 4125
peas 4125
Phaseolus 2860
potatoes 313, 4125
rape 4125
sugarbeet 793, 4125
Trifolium repens 1623
damage
cucumbers 4221
faba beans 4210
Lotus corniculatus 1623
rape 4974
Trifolium repens 1623
vegetables 2860
economics, sugarbeet 793
enzymes
barley 1947
oats 1947
fatty acids
barley 1947
oats 1947
interactions
adjuvants 4125
fertilizers 4974
herbicides 2860
mode of action 313
morphology, cucumbers 4221
population density, *Avena sterilis* 4210
residual effects, vegetables 2860
yields
cucumbers 4221
rice 2437
Cycluron
control, weeds, spinach 5068
residual effects
broccoli 5068
cucumbers 5068
Phaseolus vulgaris 5068
spinach 5068
yields
broccoli 5068
cucumbers 5068
Phaseolus vulgaris 5068
spinach 5068
Cydonia oblonga (*see* Quinces)
Cydonia vulgaris (*see* Quinces)
Cyhalofop 3189-3190
Cymbonotus preissianus, hosts, insects 825
Cynara scolymus (*see* Globe artichokes)
Cynodon
control, chemical control 5124
herbicides
anatomy 1242
Cynodon *cont.*
herbicides *cont.*
cytology 1242
damage 1242
morphology 1242
rice
seasonal variation 3515
surveys 3515
Cynodon dactylon
barley, surveys 3954
biology
rhizomes 449
roots 449
vegetative propagation 449
Botswana 449
Capsicum frutescens
control 3496
Indonesia 3496
plant competition 3496
chickpeas, surveys 3954
control
chemical control 358, 790, 1191, 1212-1213, 1556, 2026, 2058, 2464, 2501, 2524, 3346, 3351, 3363, 3382, 3799, 3842, 4186, 4204, 4233, 4244, 4604, 4629, 4631, 4650-4651, 4973
cultural control 1191, 4186, 4367
integrated control 2524, 4186, 4604, 4631, 4651
physical control 2026, 2058, 2464, 2501, 2524, 3346, 3351, 3363, 3799, 4186, 4233, 4604, 4629, 4631, 4650-4651
cotton
plant competition 4806
surveys 4806
yields 4806
Cynodon dactylon × *C. transvaalensis,* USA 358
Digitaria sanguinalis
plant competition 1241
USA 357, 1241, 1245
ecology 5110
air pollution 3503
distribution 3503
plant communities 3503
population dynamics 3503
regenerative ability 449
soil depth 449
soil types 3954
surveys 3954
Eleusine indica, USA 357
Eremochloa ophiuroides, USA 358
faba beans, surveys 3954
forests, chemical control 5110
herbicides
air assisted sprayers 4973
application date 790, 812, 1245, 2362
application methods 790
application rates 790, 812, 1245, 4973
carriers 4973
chlorophyll 2362
chlorosis 2362
damage 356-357, 790, 812, 1244-1245, 2362, 2522
growth rate 2026
nutrient uptake 4244, 4650-4651
population density 2362
population dynamics 3799
regrowth 4973
residual effects 4604
tolerance 356, 1245
ultralow volume spraying 4973
yields 3301
lentils, surveys 3954
Lolium perenne
plant competition 1244
USA 1244
lucerne
plant competition 4806
surveys 4806
yields 4806
maize
plant competition 1191, 4806
surveys 3954, 4806
yields 4806
pecans
growth rate 4793
plant competition 4793
Cynodon dactylon *cont.*
rice
plant competition 4631
yields 4631
sorghum
plant competition 4806
surveys 4806
yields 4806
soyabeans, Pakistan 1213
Sporobolus indicus, USA 2522
Stenotaphrum secundatum, USA 358
sugarcane
surveys 4389
USA 790
USA 356, 812, 2362, 2409, 3301, 4973
utilization 5110
vegetables
plant competition 4806
surveys 4806
yields 4806
Vigna radiata
Bangladesh 4367
population density 4367
yield components 4367
yields 4367
weed control
growth rate 2026
population dynamics 3799
yields 3301
weeds
chemical control 2409
fertilizers 3301
wheat
plant competition 4806
surveys 3954, 4806
yields 4806
Zoysia japonica × *Z. tenuifolia,* USA 358
Cynodon dactylon* × *C. transvaalensis
Cynodon dactylon, USA 358
herbicides
application date 358
application rates 358
damage 358
growth rate 358
Cynodon transvaalensis* × *C. dactylon
Digitaria sanguinalis, USA 1245
herbicides
application date 1245
application rates 1245, 3377
damage 356, 1245, 3377
growth rate 3377
population density 3377
shoots 3377
tolerance 356, 1245, 3377
Poa annua, USA 2091
USA 356, 3377
Cynoglossum officinale
biology
catechol oxidase 1267
composition 1670, 2110
enzymes 1267
flowering 2540
genetic variation 1670
genotypes 1670
growth rate 2540
growth stages 2110
life history 2540
oxygen 1267
phenolic compounds 1267
photosynthesis 2110
pyrrolizidine alkaloids 1670, 2110
respiration 1267
translocation 1670
ecology
geographical variation 2540
herbivores 2110
temperature 2540
Netherlands 2540
seeds
inhibitors 1267
seed dormancy 1267
seed germination 1267
stratification 1267
testas 1267
water 1267
Cynosurus cristatus
biology
carbon pathways 508
growth rate 508
photosynthesis 508
roots 508

Cynosurus cristatus *cont.*
biology *cont.*
transpiration 508
water relations 508
control, chemical control 4195
herbicides, population dynamics 4195
Poa trivialis
disturbed land 1205
nutrient availability 1205
plant communities 1205
population dynamics 1205
Poland 300
Rumex obtusifolius
disturbed land 1205
nutrient availability 1205
plant communities 1205
population dynamics 1205
weed control
composition 300
yields 300
Cyperaceae
biology
flowers 991
leaves 229
morphology 229, 991
taxonomy 2680
control
biological control 1854
chemical control 229
physical control 905
cotton, surveys 3956
ecology
distribution 2680
occurrence 2627
population dynamics 2680
hosts, insects 98
rice
Colombia 98
control 1610
growth rate 1854
hosts of plant pests 98
Philippines 905
plant development 1854
seed contamination 905
USA 1610
water relations 1854
Russia 2680
Cyperin 3551
Cyperus
amenity and recreation areas, surveys 1407
biology
anatomy 3063
carbon pathways 3063
photosynthesis 3063
rhizomes 3063
canal banks, surveys 1407
control, chemical control 1964
ditch banks, surveys 1407
ecology
climate 3063
distribution 3063
habitats 1407
surveys 3063
survival 3063
temperature 3063
water relations 3063
floodplains, distribution 2628
grasslands, surveys 1407
maize, surveys 1407
rice, surveys 1407
rivers, surveys 1407
roadsides, surveys 1407
seeds, seed production 3063
streams, surveys 1407
swamps, surveys 1407
vegetables, surveys 1407
walls, surveys 1407
waste land, surveys 1407
wheat
growth stages 1781
plant succession 1781
population dynamics 1781
surveys 1407
Cyperus difformis
control
chemical control 1609, 3055, 3292, 4191, 4193, 4334, 4629, 5048
cultural control 1386, 1405, 3292, 4193

Cyperus difformis *cont.*
control *cont.*
physical control 1609, 3292, 4191, 4193, 4629, 5048
ecology, population density 3055
herbicides
composition 2791
nitrogen 4191
nutrient uptake 4191
pigments 2791
seed banks 4334
seed production 4334
rice
growth rate 1778
light 1778
nutrient availability 1778
nutrient uptake 1386, 3292
occurrence 1791
plant competition 1386, 1405, 1778
population density 1405, 3292
population dynamics 3066
surveys 3066
yields 1778, 3292
seeds
buried seeds 3055
seed banks 3055, 4334
seed production 4334
Vigna radiata
nutrient uptake 3292
population density 3292
yields 3292
weed control
nitrogen 4191
nutrient uptake 4191
Cyperus esculentus
Agrostis stolonifera var. *palustris,* USA 4700
biology
cell culture 4824
fermentation 4824
flowering 984
flowers 984
genetic variation 984
genotypes 984
isoenzymes 984
morphology 984
phenotypes 984
plant height 984
polyploidy 984
reproduction 984
roots 984
sprouting 984
tubers 984
Capsicum annuum
growth rate 2493
tubers 2493
control
chemical control 1239-1240, 1644, 2493, 2503, 2849, 3389, 3680, 4452, 4679, 4700
integrated control 3389, 4679
physical control 3389, 4679
Coreopsis lanceolata, USA 1248
Echinacea purpurea, USA 1248
ecology
climate 984
control 950
phenology 984
population dynamics 950
spread 950
Gaillardia aristata, USA 1248
Gladiolus, Netherlands 950
groundnuts, USA 4679
herbicides
application date 1127
application methods 1127, 3680
application rates 1239
bioassays 4452
growth rate 1127, 3551, 3680
mode of action 3551
regrowth 1127, 1240, 3680
roots 1127, 3551
shoots 1127, 3680
tubers 1127, 2493, 3680
hosts, Nematoda 2493
Leucanthemum vulgare, USA 1248
Lolium perenne, USA 4700
maize
flowering 2225
fruiting 2225
life cycle 2225

Cyperus esculentus *cont.*
maize *cont.*
population dynamics 2225
pecans
growth rate 4793
plant competition 4793
Phaseolus vulgaris, USA 2849
Poa pratensis, USA 4700
sweet potatoes
allelopathy 4803
growth rate 4803
shoots 4803
Cyperus iria
biology
exudates 4542
plant growth regulators 4542
celery
allelopathy 1787
growth rate 1787
control
chemical control 1211, 4184, 4191, 4232, 4604, 4630, 5048, 5123
cultural control 1211
integrated control 4604
physical control 1211, 4184, 4191, 4232, 4604, 4630, 5048
herbicides
composition 2791
growth rate 3551
mode of action 3551
nitrogen 4191
nutrient uptake 4191
pigments 2791
residual effects 4604
roots 3551
rice
population dynamics 3066
surveys 3066
seeds
composition 4542
seed weight 4542
weed control
nitrogen 4191
nutrient uptake 4191
Cyperus juncellus
rice
China 3284
control 3284
yields 3284
Cyperus papyrus
ditch banks
colonizing ability 3437
growth rate 3437
population dynamics 3437
spatial distribution 3437
spread 3437
ditches
colonizing ability 3437
growth rate 3437
population dynamics 3437
spatial distribution 3437
spread 3437
Cyperus rotundus
biology
growth rate 929, 1116, 2339, 2604
leaves 1116, 2339
mercury 929
plant growth regulators 1116, 2339
reproduction 1116
rhizomes 1116
roots 929
sprouting 2604
tubers 2604
control
chemical control 727, 1191, 1239-1240, 1633, 1723, 2026, 2058, 2426-2427, 2464, 2501, 2503, 2515, 2524, 2582, 2604, 3278, 3322, 3326, 3346, 3351, 3363, 3453, 3679-3680, 3788, 3799, 4184-4186, 4232-4233, 4244, 4604, 4629, 4631, 4650-4651, 5040
cultural control 51, 727, 1191, 3030, 3278, 4186, 4226, 4367
integrated control 2524, 2582, 3278, 4185-4186, 4604, 4631, 4651
physical control 727, 771, 2026, 2058, 2464, 2501, 2524, 2582, 3278, 3322, 3326, 3346, 3351, 3363, 3788, 3799, 4184-4186,

Cyperus rotundus *cont.*
control *cont.*
physical control *cont.*
4232-4233, 4604, 4629, 4631, 4650-4651, 5040, 5179
cotton
surveys 4806
yields 4806
ecology
emergence 5179
heavy metals 929
mercury 929
metal tolerance 929
nutrient uptake 4797
plant communities 51
plant competition 4797
soil pollution 929
surveys 51
temperature 4797
Eleusine coracana
allelopathins 4541
allelopathy 1788, 4541
seed germination 4541
groundnuts, allelopathy 1788
herbicides
adjuvants 3453
application date 1127
application methods 1127, 3680
application rates 1239
carbohydrates 3679
composition 3679
growth rate 1127, 1723, 2026, 3551, 3679-3680
leaves 3186
mode of action 3551
morphology 3186
nitrogen 3679
nutrient uptake 4244, 4650-4651, 5040
population dynamics 3799
regrowth 1127, 1240, 3453, 3680
residual effects 4604
resistance 3186
roots 1127, 3186, 3551
shoots 1127, 3680
stomata 3186
translocation 3186
tubers 1127, 1723, 3680
uptake 3186
vegetative propagation 3679
waxes 3186
Hevea brasiliensis
emergence 3030
seed banks 3030
hosts, fungi 3979
India 929, 3453
Indian mustard
allelopathins 4541
allelopathy 4541
seed germination 4541
Israel 5179
lettuces, Italy 771
lucerne
surveys 4806
yields 4806
maize
allelopathy 1788
plant competition 1191
Spain 2427
surveys 4806
weed associations 2241
yields 4806
Nigeria 3186
oil palms
emergence 3030
seed banks 3030
Pennisetum glaucum
allelopathy 1788
control 4797
nutrient uptake 4797
plant competition 4797
rice
India 3788
plant competition 4631
population dynamics 3066
surveys 3066
yields 4631
seeds, seed germination 3030
sesame, allelopathy 1788
sorghum
allelopathins 4541

Cyperus rotundus *cont.*
sorghum *cont.*
allelopathy 1788, 4541
seed germination 4541
surveys 4806
yields 4806
Spain 2582
sugarcane, surveys 4389
sweet potatoes
allelopathy 4803
China 1633
growth rate 4803
shoots 4803
Tagetes, allelopathy 4226
vegetables
surveys 4806
yields 4806
Vigna mungo, allelopathy 1788
Vigna radiata
allelopathy 1788
Bangladesh 4367
population density 4367
yield components 4367
yields 4367
weed control
growth rate 2026
nutrient uptake 5040
population dynamics 3799
wheat
allelopathins 4541
allelopathy 4541
seed germination 4541
surveys 4806
yields 4806
Cyperus sanguinolentus, biology, antioxidants 3248
Cyperus serotinus
control, chemical control 1150, 5046
herbicides
amino acids 1150
degradation 1512
enzymes 1150
mode of action 1512
selectivity 1150, 1512
translocation 1512
uptake 1512
Cypresses *(see Cupressus)*
Cyprus
weed control
Galium aparine 3805
Galium tricornutum 3805
potatoes 3805
Cytisus multiflorus
biology, photoperiodism 2162
control, physical control 2162
seeds
buried seeds 2162
light 2162
scarification 2162
seed germination 2162
soil depth 2162
Cytisus praecox
Cuscuta platyloba
composition 1697
host parasite relationships 1697
quinolizidine alkaloids 1697
translocation 1697
Cuscuta reflexa
composition 1697
host parasite relationships 1697
quinolizidine alkaloids 1697
translocation 1697
Cytisus scoparius
biology
allelopathins 3394
composition 3394
identification 819
control
biological control 819, 4254, 4708
chemical control 819
physical control 819
cucumbers
allelopathy 3394
growth rate 3394
nutrient availability 3394
soil types 3394
hosts
fungi 4254
insects 2901
lettuces
allelopathy 3394

Cytisus scoparius *cont.*
lettuces *cont.*
growth rate 3394
roots 3394
soil types 3394
New Zealand 2901
toxicity
livestock 819
man 819
USA 819
Cytisus striatus
biology, photoperiodism 2162
control, physical control 2162
seeds
buried seeds 2162
light 2162
scarification 2162
seed germination 2162
soil depth 2162
Cytokinins 90, 1108, 1373, 1500, 1505, 1526, 4280, 4407, 4537
Czech Republic
apples 3341
cereals 2811
green manures 3509
Heracleum mantegazzianum 1675
herbicide residues, conferences 4316
herbicides
conferences 4316
grasslands 301
MCPA 4444
sugarbeet 2510
leeks 3330
Lotus corniculatus
Chenopodium 1623
Cirsium arvense 1623
Oenothera biennis 471
onions 652, 4218
Rumex alpinus 1752
Senecio vulgaris 4719
sugarbeet 2075
Cirsium arvense 4682
Elymus repens 2073
Poaceae 2073
Trifolium repens 1623
water reservoirs
aquatic weeds 412
Potamogeton crispus 1701
Potamogeton friesii 1701
weed control
cereals 1989
grasslands 301
sugarbeet 2510
weeds 1330
Butomus umbellatus 1398
cultural control 2407
Echinochloa crus-galli 3894
lucerne 1338
physical control 2407
population dynamics 2407
seed banks 1339
seed dormancy 3894
seed germination 3894
sugarbeet 1338
wheat 1338
wheat 3509
2,4-D
adjuvants
Kochia scoparia 2384
maize 4178, 4625
oats 2384
adventitious roots, grapes 2780
analytical methods 3615
anion exchange 2290
bioassays 1861
chemiluminescence immunoassays 1867
chromatography 1867, 3571, 4576
electrophoresis 3571, 4020
ELISA 128, 1877
enzyme immunoassay 4469
extraction 112, 1453, 1460, 4010, 4017
fluorescence 1867
immunoassay 578, 1460, 1878
liquid chromatography 112, 4010, 4013, 4017
mass spectrometry 4017
sampling 3560
spectrophotometry 123, 1867
anatomy, grapes 2780

2,4-D *cont.*
antagonism 3232
Lolium rigidum 197
maize 4625
oats 1513
apical meristems, *Astragalus cicer* 1532
application
adjuvants 4124
aerial application 1053, 4573
application rates 4124
carriers 4124
containers 4137
drift 4573
environmental impact 3952
spraying 1053
surfactants 4576
weather 4573
application date
Acer rubrum 821
Acroptilon repens 3023
Aegilops cylindrica 5127
barley 1998
Bromus tectorum 5127
Carya tomentosa 821
Conyza canadensis 5127
Digitaria eriantha 4200
Digitaria ischaemum 4248
Festuca rubra 4248
forests 3388
lawns and turf 3842
Liquidambar styraciflua 821
Lolium 3793
maize 1578, 3268
Nyssa sylvatica 821
Ostrya virginiana 821
Oxalis pes-caprae 4171
Poa pratensis 4248
Prunus serotina 821
Pseudotsuga menziesii 2520
Quercus 821
rice 3788, 4630
rights of way 3388
roadsides 3388
Rosa multiflora 4706
Sassafras albidum 821
sorghum 1607, 2434, 4182
Striga hermonthica 3432
sugarcane 2884, 5095
tomatoes 1183
triticale 4177
Ulmus 821
wheat 143, 656, 2215, 4482
application methods
Pseudotsuga menziesii 2520
sugarcane 2884, 5095
tomatoes 4658
application rates
Acroptilon repens 3023
apples 1220
Artemisia verlotiorum 4754
barley 1998
cherries 3307
Digitaria eriantha 4200
Euphorbia esula 2909
grapes 3307
grasslands 4636, 5061
Hevea 4692
lucerne 3307
maize 1898
Oxalis pes-caprae 4171
peaches 1220
peas 4098
rice 1201, 4630, 5048
roses 3307
sorghum 2434, 4182
sugarcane 1964, 2884
tobacco 2513
wheat 4620
ATP, maize 4558
bark, grapes 2780
betacyanins, *Chenopodium album* 3533
binding sites 3232
bioassays
tomatoes 2052
Vigna mungo 3453
Vigna radiata 3453
bulbs, *Oxalis pes-caprae* 4171
carotenoids, *Lemna gibba* 4285
carriers
Chromolaena odorata 4566
Kochia scoparia 2384

2,4-D *cont.*
carriers *cont.*
oats 2384
cell culture
Catharanthus roseus 1508
Chenopodium album 3533
cell membranes 3232
cell suspensions, *Catharanthus roseus* 2268
chemistry
biodegradation 4931, 4933
degradation 3120
photolysis 3120
chlorophyll
Eleocharis plantaginea 3446
Salvinia natans 2565
Zizania aquatica 3446
composition
Eleocharis plantaginea 3446
Salvinia natans 2565
sugarcane 2883
wheat 2818
Zizania aquatica 3446
control
Acer macrophyllum, Pseudotsuga menziesii 2520
Acer rubrum 821
Pinus taeda 351
Acroptilon repens 3023
Aegilops cylindrica
fallow 5127
grasslands 5061
Ageratum conyzoides, rice 4184, 4631
Amaranthus, Gladiolus 3382
Amaranthus hybridus, Digitaria eriantha 4200
Amaranthus palmeri, cotton 333
Amaranthus retroflexus, sorghum 4182
Amaranthus viridis, rice 4631
Ammania baccifera, rice 4629
Anagallis arvensis
Indian mustard 4233
wheat 735, 4166
aquatic weeds 1485
rice 2028
Artemisia frigida
Agropyron cristatum 1617
Bromus inermis 1617
pastures 1617
rangelands 1617
Artemisia tridentata
Elymus smithii 3305
rangelands 3305
Stipa comata 3305
Artemisia verlotiorum 4754
wheat 4620
Avena fatua 4969
wheat 4166
Avena sterilis subsp. *ludoviciana*, wheat 735, 3263
Bromus secalinus, wheat 3758
Bromus tectorum
fallow 5127
grasslands 5061
lawns and turf 3842
Carduus nutans, pastures 4198
Carya, Pinus taeda 351
Carya tomentosa 821
Chenopodium album
Gladiolus 3382
Indian mustard 4233
lawns and turf 3842
sorghum 4182
wheat 735, 2817, 2820, 3261, 3263, 4166
Chenopodium ambrosioides, rice 4184
chicory, as weeds, Indian mustard 4233
Chromolaena odorata 3952
Cirsium arvense
apples 3343
cherries 3343
wheat 4166
Cirsium macrocephalum
grasslands 1620
pastures 1620
Cleome, sugarcane 1964
Cleome viscosa, rice 2026

2,4-D *cont.*
control *cont.*
Commelina benghalensis, sorghum 3278
Commelina obliqua, Gladiolus 3382
Convolvulus arvensis 2711
fallow 1664
lawns and turf 3842
Conyza canadensis, fallow 5127
Cornus florida, Pinus taeda 351
Coronilla varia, maize 3268
Croton lobatus, Hevea 4692
Cryptostegia grandiflora 2532
cyanobacteria 419
Cynodon dactylon
Gladiolus 3382
Indian mustard 4233
lawns and turf 3842
rice 2026, 4629, 4631
Cyperus, sugarcane 1964
Cyperus difformis
rice 3292, 4629, 5048
Vigna radiata 3292
Cyperus iria, rice 4184, 4630, 5048
Cyperus rotundus 1723, 3453
Indian mustard 4233
rice 2026, 3788, 4184, 4629, 4631
sorghum 3278
Dactyloctenium aegyptium, sorghum 3278
Digera arvensis, sorghum 3278
Digitaria, sugarcane 1964
Digitaria ciliaris, Indian mustard 4233
Digitaria insularis, Hevea 4692
Digitaria ischaemum
Festuca rubra 4248
Poa pratensis 4248
Digitaria sanguinalis
maize 4625
rice 4629
Diospyros virginiana, Pinus taeda 351
Echinochloa, rice 4630
Echinochloa colonum
rice 4184, 4629, 5048
sorghum 3278
Echinochloa crus-galli
barley 2824
oats 2824
rice 646, 2026, 2028, 3292, 3786, 3788, 4629, 5048
sorghum 1607, 4182
Vigna radiata 3292
wheat 2824
Echinochloa glabrescens
rice 3292
Vigna radiata 3292
Eclipta
rice 3292
Vigna radiata 3292
Eclipta alba, rice 3786
Eclipta prostrata, rice 4629
Eleusine indica
Digitaria eriantha 4200
sorghum 3278
Elymus repens
apples 3343
cherries 3343
fallow 1664
maize 290, 4178
Eragrostis cilianensis
barley 2824
oats 2824
wheat 2824
Erigeron linifolius, rice 4184
Eriochloa villosa, maize 4625
Eupatorium capillifolium 1725
Euphorbia esula 384, 2909
grasslands 1208, 2457
Poa pratensis 2457
prairies 2457
Euphorbia hirta, rice 2026
Euphorbia prostrata
rice 3292
Vigna radiata 3292
Fimbristylis miliacea, rice 1201, 4629-4630
Galinsoga parviflora, Gladiolus 3382
Galium aparine, cereals 4158
Heteranthera reniformis, rice 2436

2,4-D *cont.*
control *cont.*
Imperata cylindrica, rice 4184
Ischaemum rugosum, rice 1201
Kochia scoparia
cotton 333
sorghum 2434
Lathyrus aphaca, wheat 735, 2817, 2820, 3263
Leptochloa chinensis, rice 5048
Leucanthemum vulgare, pastures 4197
Leucas aspera, rice 4631
Lippia nodiflora, rice 4629
Liquidambar styraciflua 821, 5128
Pinus taeda 351
Ludwigia adscendens, rice 5048
Ludwigia parviflora, rice 4629
Marsilea quadrifolia, rice 5048
Medicago polymorpha, Indian mustard 4233
Melilotus alba, Indian mustard 4233
Melilotus indica, wheat 2817, 3263, 4166
Mimosa pudica, rice 4631
Monochoria vaginalis
rice 3292, 4630, 5048
Vigna radiata 3292
Nyssa sylvatica 821
Pinus taeda 351
oats, as weeds, wheat 2215
Ostrya virginiana 821
Oxalis latifolia, Gladiolus 3382
Oxalis pes-caprae
fallow 4171
wheat 4171
Panicum capillare
barley 2824
oats 2824
wheat 2824
Panicum miliaceum, maize 4625
Panicum ramosum, rice 4631
Paspalum distichum
Indian mustard 4233
rice 3292
Vigna radiata 3292
Pennisetum flaccidum, Gladiolus 3382
Phalaris minor
Indian mustard 4233
wheat 2817, 2820, 3263, 4166
Phyllanthus niruri
rice 4629, 4631
sorghum 3278
Plantago major, rice 4184
Polygonum aviculare, wheat 3261
Polygonum hydropiper, pastures 4197
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
Polygonum persicaria, pastures 4197
Portulaca oleracea
Indian mustard 4233
sorghum 3278
Prunus serotina 821
Pteridium, Gladiolus 3382
Quercus 821
Pinus taeda 351
Ranunculus acris 861
pastures 4197
rice, as weeds, rice 1201
Rosa multiflora 4706
Rottboellia cochinchinensis, sugarcane 1964
Rumex dentatus, Indian mustard 4233
Rumex maritimus, Gladiolus 3382
Rumex obtusifolius
apples 3343
cherries 3343
Sagittaria guyanensis, rice 1201
Sassafras albidum 821
Schkuhria pinnata, Digitaria eriantha 4200
Scirpus, rice 4630
Setaria faberi, maize 4625
Sicyos, sugarcane 2507
Sinapis arvensis, wheat 3261
Solanum elaeagnifolium 388
Solanum nigrum, sorghum 4182
Sonchus, fallow 1664

2,4-D *cont.*
control *cont.*
Sonchus arvensis
apples 3343
cherries 3343
Sorghum halepense, wheat 3261
Spergula arvensis
Indian mustard 4233
rice 4184
Stellaria media
apples 3343
cherries 3343
Gladiolus 3382
Striga hermonthica, sorghum 1606
sunflowers, as weeds, sorghum 1607
Tagetes minuta, Digitaria eriantha 4200
Taraxacum, lawns and turf 3842
Taraxacum officinale
apples 3343
cherries 3343
tea, as weeds, tea 3829
Thalia geniculatis, rice 1202
Trianthema portulacastrum, sorghum 3278
Trifolium fragiferum, Indian mustard 4233
Trifolium repens, lawns and turf 3842
Trigonella, lawns and turf 3842
Ulmus 821
Veratrum lobelianum
grasslands 1620
pastures 1620
Vicia sativa, wheat 2817, 2820, 3263
Vicia villosa, maize 2430
Viola arvensis, cereals 4158
Wedelia paludosa, Hevea 4692
weeds
Astragalus cicer 1532
barley 737, 1998, 3767, 4615
Capsicum annuum 774
cereals 3754, 4158
cotton 333
Cynodon dactylon 3301
fallow 270, 1664
golf courses 3664
groundnuts 3354
Indian mustard 4233
lawns and turf 2742, 3842, 4931
linseed 2873
Lolium 3793
Lupinus albus 2463
maize 101, 2000, 2428-2429, 5037
rice 1200, 2021, 2025, 2028-2029, 2841, 2843, 3293, 3296, 3786-3787, 4184, 4629-4631, 4815, 5041, 5048
rye 3767
soyabeans 2429
sugarcane 1230, 2067, 2883-2884, 5095
triticale 2423, 4177
wheat 730, 1992, 2423, 2816, 2818, 3261, 4166-4167, 4615, 5024-5025, 5027
woody weeds
Pinus echinata 808
Pinus taeda 808
cross resistance, *Ranunculus acris* 861
cytoplasm, maize 4558
damage 1183, 4124
Agropyron desertorum 5061
apples 1220
Buchloe dactyloides 1615
cherries 3307
Digitaria eriantha 4200
Elymus hispidus subsp. *barbulatus* 5061
Gladiolus 3382
grapes 2780, 3307
grasslands 2457, 5061
groundnuts 3354
Hemarthria altissima 4196
Hevea 4692
Indian mustard 4233
Kochia scoparia 2384
lucerne 3307
maize 1578, 4178, 4625
Myriophyllum spicatum 4062
oats 2384

2,4-D *cont.*
damage *cont.*
oil palms 2063
peaches 1220
Poa pratensis 2457
potatoes 1217
prairies 2457
rice 646
roses 811, 3307
sorghum 3278, 4182
tomatoes 1183, 2052
triticale 4177
Vigna mungo 3453
Vigna radiata 3453
wheat 656, 2820, 3278
decomposition
Carduus nutans 639
Lolium perenne 639
Senecio jacobaea 639
Trifolium repens 639
degradation, barley 199
desiccation, *Chromolaena odorata* 4572
development, *Striga hermonthica* 3432
digestibility, *Festuca arundinacea* 5062
drift
cherries 3307
grapes 3307
lucerne 3307
roses 3307
economics
Acer rubrum 821
Carya tomentosa 821
cotton 333
Cryptostegia grandiflora 2532
Euphorbia esula 2909
grasslands 2457
linseed 2873
Liquidambar styraciflua 821
Nyssa sylvatica 821
Ostrya virginiana 821
Poa pratensis 2457
prairies 2457
Prunus serotina 821
Quercus 821
rice 4630, 5048
Sassafras albidum 821
sugarcane 1230, 2067
Ulmus 821
wheat 730, 5025
embryo culture, *Coronilla varia* 1117
embryogenesis, *Striga hermonthica* 3432
embryos, *Silene alba* 1754
energy relations, wheat 5025
environmental impact, rice 3144
exudates, *Chromolaena odorata* 4566
fibre, *Festuca arundinacea* 5062
flowering, *Striga hermonthica* 3432
flowers
roses 811
wheat 656
formulations 4706
fruiting, *Striga hermonthica* 3432
gene expression, *Catharanthus roseus* 1508
growth rate
algae 1510
apples 1220
Astragalus cicer 1532
Cleome viscosa 2026
Coronilla varia 1117
cyanobacteria 419
Cynodon dactylon 2026
Cyperus rotundus 1723, 2026
Echinochloa crus-galli 2026
Euphorbia hirta 2026
Lemna gibba 4285
Lemna minor 3436
maize 1578, 3268
peaches 1220
peas 4098
Pinus echinata 808
Pinus taeda 808
rice 2026, 3293, 3788
Salvinia natans 2565
Sinapis alba 1510
Striga hermonthica 3432
Vigna mungo 3453
Vigna radiata 653, 3453
hydrogen cyanide
Echinochloa crus-galli 646
rice 646

2,4-D *cont.*
indole alkaloids, *Catharanthus roseus* 1508
interactions
adjuvants 2384, 3453, 4124, 4178, 4625
carriers 2384, 4566
copper sulfate 3560
fertilizers 3278, 4625
herbicides 1513, 1607, 2423, 2770, 2818, 2909, 3023, 3232, 3453, 3758, 3767, 3793, 3842, 3952, 4124, 4177-4178, 4182, 4198, 4200, 4233, 4248, 4620, 4625, 4692, 4940, 5024, 5027, 5037, 5061-5062, 5127-5128
insecticides 1578
minerals 2384
plant growth regulators 647
surfactants 1964, 3708, 4166, 4178, 4576, 4625, 4706
internodes, *Hemarthria altissima* 4196
leaf age, *Poa pratensis* 3538
leaf area, *Vigna radiata* 653
leaf area index, rice 3788
leaves
Chromolaena odorata 4566, 4572
pears 4093
roses 811
sour oranges 4093
triticale 4177
legislation
Canada 578
Denmark 3744, 3754
light
Chenopodium album 3533
Chromolaena odorata 4566, 4572
Coronilla varia 1117
membrane permeability
pears 4093
sour oranges 4093
membrane potential
Avena 196
Lolium rigidum 196
membranes, *Chromolaena odorata* 4566
metabolism, maize 1578
mitosis, peas 205
morphology
potatoes 1217
sorghum 657
nontarget effects
fishes 4053
man 1053
Protozoa 2743
nutrient availability, *Lemna gibba* 4285
nutrient content, wheat 3261
nutrient uptake
algae 3436
cyanobacteria 3436
faba beans 198
rice 3292, 4184
Vigna radiata 3292
pH, maize 4558
pigments
Lemna gibba 4285
Salvinia natans 2565
plant breeding, tolerance 1532
plant cuticle, sour orangees 3708
plant diseases
Poa pratensis 3538
tobacco 2513
plant disorders
potatoes 1217
roses 811
plant growth regulators
Catharanthus roseus 1508
Echinochloa crus-galli 646
rice 646
plant height
Astragalus cicer 1532
sugarcane 5095
plant pests, *Euphorbia esula* 384
population density
Euphorbia esula 1208
Oxalis pes-caprae 4171
Striga hermonthica 1606
population dynamics, grasslands 4636
properties
solubility 2319
vaporization 1183

2,4-D *cont.*
proteins
barley 737
Catharanthus roseus 1508
Festuca arundinacea 5062
wheat 2818
protoplasts, tobacco 2513
quality
barley 737
sugarcane 2067
regenerative ability
Pinus echinata 808
Pinus taeda 808
registration
Canada 3436
Denmark 3744
regrowth
Cyperus rotundus 3453
Eupatorium capillifolium 1725
reproduction, peas 4098
residual effects
Artemisia verlotiorum 4620, 4754
maize 1898
tomatoes 2052
residues
atmosphere 578, 3560, 3579, 4472
barley 1998, 4513
beans 4513
blood 1053, 1895
cereals 112
composts 2052, 4931
drinking water 3626, 4010, 4013, 4469
groundwater 3137, 3582, 3592, 3626, 3744, 4010, 4469
maize 1460, 1898
man 1053
plant products 123
precipitation 578
rain 3560, 3579
river water 2319, 4013, 4017
sediment 3135
sewage sludge 4933
soil 175, 182, 186, 631, 634, 639, 1082, 1465, 1495-1496, 1863, 2290, 2324, 2332, 2337, 3135, 3606-3607, 3615, 3626, 3664, 3667, 4074, 4507, 4513, 4521, 4940
soil water 2324, 3626, 3667, 4074, 4513
surface water 578, 3592, 3626, 4010, 4013
urine 591, 1053, 4589
Vigna radiata 112
waste water 3134
water 123, 1877, 1895, 2749, 3135, 3560, 4522, 4937
wheat 143, 145, 4482
zooplankton 3135
resistance
Carduus nutans 4198
cyanobacteria 419
Elymus repens 4399
Fimbristylis miliacea 4815
Galeopsis tetrahit 4399
Leucanthemum vulgare 4399
Matricaria perforata 1759
Ranunculus acris 861
Rumex acetosella 4399
Sorghum halepense 3261
Spergula arvensis 4399
Sphenoclea zeylanica 4815
Stellaria media 4399
Striga hermonthica 3432
rhizomes, *Artemisia verlotiorum* 4754
roots
Astragalus cicer 1532
Oxalis pes-caprae 4171
Sinapis alba 1510
safeners, maize 1578
salinity, wheat 2817
seed banks, *Striga hermonthica* 1606
seed germination
Sinapis alba 1510
Striga asiatica 2552, 2996
Vigna mungo 3453
Vigna radiata 653, 3453
wheat 656
seed production
Festuca arundinacea 5062

2,4-D *cont.*
seed production *cont.*
wheat 656
seeds, wheat 4482
selectivity
Carduus nutans 4198
Digitaria eriantha 4200
Echinochloa crus-galli 646
Lemna gibba 4285
pastures 4198
rice 646
sorghum 1607
soil
Actinomycetales 1495
bacteria 1495-1496, 2337, 4518, 4936
biodegradation 634, 1495-1496, 2332, 2759, 3615, 3664, 3667, 4507, 4518, 4936
chemical degradation 631, 3615
degradation 1465, 2290, 2332, 3606-3607
denitrification 2337
fertilizers 634
fungi 1495, 4940
leaching 175, 1082, 2324, 3626, 4074, 4513
microbial activities 186, 639, 2337
microbial degradation 182, 3615, 4521
microorganisms 182, 639, 1495, 2332, 2337, 3607, 3664, 4521
mineralization 182
movement 1465, 2324, 3626, 3667, 4507, 4513
mycorrhizas 634
nitrification 2337
organic matter 175, 1863, 3615
oxygen 3615
persistence 1082, 1465, 2332, 3606, 3667, 4513
pH 3615
photolysis 1082
rain 3626
Rhizobium 186
soil flora 2337
soil types 3607, 3615, 3626, 4074
soil water 175, 1495-1496, 3606, 3615
sorption 175, 631, 1082, 3606, 4507
temperature 1496, 3606, 3615
volatilization 1082
somatic embryogenesis
Coronilla varia 1117
Eleusine coracana 647
sprayers, sugarcane 2884
sprouting, *Artemisia verlotiorum* 4754
stems, *Artemisia verlotiorum* 4754
stolons, *Hemarthria altissima* 4196
stomata, *Chromolaena odorata* 4572
sugars, sugarcane 2883
surfactants
Convolvulus arvensis 2711
maize 4178, 4625
Rosa multiflora 4706
sour orangees 3708
sugarcane 1964
wheat 4166
survival, *Vigna radiata* 653
synergism
Euphorbia esula 2909
wheat 3758
temperature
Chromolaena odorata 4572
pears 4093
sour oranges 4093
threonine, faba beans 198
tillering
Avena fatua 2770
wheat 735
tissue culture
Brachypodium distachyon 4942
Coronilla varia 1117
Cuscuta trifolii 5162
peas 205
Silene alba 1754
Solanum sarrachoides 1757
Spirodela polyrhiza 5171
Striga asiatica 2552
tolerance
apples 1220
Astragalus cicer 1532

2,4-D *cont.*
tolerance *cont.*
peaches 1220
rice 646
wheat 656
toxicity 1861
aquatic organisms 3135, 3436
carcinogens 2311, 2742
chickens 1900
cyanobacteria 419
dogs 2742
ecosystems 3135, 3436
fishes 1485, 2317, 4053
fungi 1074, 4062
guinea pigs 4889
insects 162, 384
man 154-155, 591, 1053, 1895, 2311, 4589, 4889
mutagens 4885
pigs 4889
rats 1064, 1898, 4889
shallots 4885
soil flora 2337
zooplankton 3135
translocation
Chromolaena odorata 4566
faba beans 198
transpiration, *Chromolaena odorata* 4572
tree injection
Acer rubrum 821
Carya tomentosa 821
Liquidambar styraciflua 821
Nyssa sylvatica 821
Ostrya virginiana 821
Prunus serotina 821
Quercus 821
Sassafras albidum 821
Ulmus 821
tubers, *Cyperus rotundus* 1723
uptake
Chromolaena odorata 4566
Lemna gibba 4285
sour orangees 3708
vacuoles, maize 4558
variety trials, wheat 656, 2816, 4482
water
bacteria 4936
biodegradation 4522, 4936-4937
degradation 2319
microbial degradation 4522
microorganisms 4522
ozone 2749
persistence 4937
pH 1861, 2319, 2749
photolysis 1861, 2749
salinity 3135
temperature 2749
water relations, *Chromolaena odorata* 4566, 4572
yield components
linseed 2873
rice 4184, 4629
rye 738
Vigna radiata 653
wheat 656, 2817, 4619
yields
Agropyron cristatum 1617
apples 3343
barley 737, 1998
Bromus inermis 1617
Capsicum annuum 774
cereals 4158
cherries 3343
cotton 333
Cynodon dactylon 3301
Festuca arundinacea 5062
grasslands 2457, 4636
groundnuts 3354
Indian mustard 4233
linseed 2873
Lolium 3793
Lupinus albus 2463
maize 2000, 4178, 4625
Poa pratensis 2457
prairies 2457
rice 1200, 2025, 2028-2029, 2841, 2843, 3292, 3296, 3786-3788, 4184, 4629-4631, 5041, 5048
sorghum 1606
sugarcane 1230, 2067, 2883, 5095
triticale 2423, 4177

2,4-D *cont.*
yields *cont.*
Vigna radiata 653, 3292
wheat 270, 735, 1992, 2215, 2423, 2816-2817, 2820, 3261, 3263, 4166, 4619-4620, 5024-5025, 5027
Dactylis
Sonchus arvensis
plant competition 3507
population dynamics 3507
Russia 3507
Dactylis glomerata
biology
carbohydrates 2646
carbon pathways 508
growth rate 508, 2646, 2648
morphology 2648
photosynthesis 508
plant height 2648
pollen 2918, 5145
roots 508
shoots 2648
transpiration 508
water relations 508
Carduus nutans
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
control
chemical control 3304, 4195, 4752
cultural control 3304
integrated control 3304
ecology
drought 2646
ecotypes 2646
plant competition 2648
seasonal variation 2646
water stress 2646
France 2646
grapes
distribution 2229
Portugal 2229
soil texture 2229
herbicides
adjuvants 4752
composition 2791
pigments 2791
population dynamics 4195
yields 1205
hosts, fungi 546
Japan 3937
Poa annua, invasion 3053
Poland 46, 297, 299-300, 5059
Stellaria media, Poland 296
Taraxacum officinale, Poland 298
toxicity
allergens 2918, 5145
man 5145
Urtica dioica, Poland 296
USA 5122
weed control
composition 300
population dynamics 297-298
yields 298, 300
weeds
fertilizers 3937
population density 46
population dynamics 3937
Dactyloctenium aegyptium
biology
growth rate 1805
ion transport 1805
ion uptake 1805
nutrient uptake 1805
photosynthesis 1805
water relations 1805
cereals
population dynamics 4384
soil fertility 4384
control
chemical control 1191, 3278, 3799
cultural control 1191, 3278
integrated control 3278
physical control 3278, 3799
ecology
colonizing ability 1805

Dactyloctenium aegyptium *cont.*
ecology *cont.*
disturbed land 949
ecotypes 1805
emergence 949
establishment 1805
nutrient availability 1805
rain 949
salinity 1805
species diversity 949
herbicides, population dynamics 3799
maize
plant competition 1191
population dynamics 4384
soil fertility 4384
seeds, seed germination 949, 1805
Thailand 949
weed control, population dynamics 3799
Daffodils (*see Narcissus*)
Dalapon
application date, sugarcane 790
application methods, sugarcane 790
application rates
Stipa neesiana 3961
sugarcane 790
chlorophyll
Eleocharis plantaginea 3446
Zizania aquatica 3446
composition
Eleocharis plantaginea 3446
Zizania aquatica 3446
control
Cynodon dactylon, sugarcane 790
Stipa neesiana 3961
weeds
Pinus taeda 352
tea 796
damage, sugarcane 790
growth rate
Pinus taeda 352
tea 796
resistance, *Stipa neesiana* 3961
seed production, *Stipa neesiana* 3961
yields, *Pinus taeda* 352
Databases 172, 241, 687, 1953, 2247, 2671, 3060, 3743, 4280, 4326, 4997, 5161
Dates (*Phoenix dactylifera*)
weeds, plant communities 2239
Datura
Borago officinalis
hosts of plant diseases 93
Spain 93
Brassica
hosts of plant diseases 93
Spain 93
Capsicum
hosts of plant diseases 93
Spain 93
chickpeas
hosts of plant diseases 93
Spain 93
cucumbers
hosts of plant diseases 93
Spain 93
faba beans
hosts of plant diseases 93
Spain 93
hosts, viruses 93
lucerne
hosts of plant diseases 93
Spain 93
maize
hosts of plant diseases 93
Spain 93
marrows
hosts of plant diseases 93
Spain 93
melons
hosts of plant diseases 93
Spain 93
Phaseolus vulgaris
hosts of plant diseases 93
Spain 93
Datura fastuosa
cotton
surveys 4806
yields 4806
ecology
climate 3512
distribution 3512
establishment 3512

Datura fastuosa *cont.*
lucerne
surveys 4806
yields 4806
maize
surveys 4806
yields 4806
sorghum
surveys 4806
yields 4806
vegetables
surveys 4806
yields 4806
wheat
surveys 4806
yields 4806
Datura ferox
biology, alkaloids 4262
Capsicum annuum, nutrient uptake 2195
ecology, nutrient content 2195
maize, nutrient uptake 2195
seeds
composition 4262
seed contamination 4262
tomatoes, nutrient uptake 2195
toxicity, fowls 4262
Datura godronii *(see Datura stramonium)*
Datura inermis *(see Datura stramonium)*
Datura innoxia *(see Datura fastuosa)*
Datura metel
control, chemical control 1562
utilization, medicinal plants 4597
Datura stramonium
Acroptilon repens, hosts of plant diseases 566
biology
flowering 467
fruits 467
growth rate 467
leaves 4421
morphology 467
plant diseases 3221
reproduction 467
ripening 467
roots 4421
water relations 4421
xylem 4421
cabbages, hosts of plant pests 96
Capsicum annuum, identification 2230
Centaurea diffusa, hosts of plant diseases 566
Centaurea maculosa, hosts of plant diseases 566
control
biological control 1022, 3221
chemical control 2503
cultural control 467
cucumbers, hosts of plant pests 96
ecology
light 467
plant competition 2647
Euphorbia esula, hosts of plant diseases 566
garlic, hosts of plant pests 96
herbicides
chlorophyll 3221
light 3221
membrane permeability 3221
plasma membranes 3221
resistance 3404
sphingolipids 3221
hosts
bacteria 566
insects 96
Italy 467
maize
growth rate 3404
plant competition 3404
seed contamination 5149
USA 3404
onions, hosts of plant pests 96
Phaseolus vulgaris, hosts of plant pests 96
seeds
light 467, 1919
plant growth regulators 1919
seed dormancy 467, 1919
seed germination 467, 897, 1919, 5016
seed production 467
seed weight 467

Datura stramonium *cont.*
seeds *cont.*
soil depth 5016
temperature 897, 1919, 5016
water relations 1919
Tanzania 1270
toxicity
horses 5149
man 1270
Datura tatula *(see Datura stramonium)*
Daucus carota *(see* Carrots)
Dazomet
application, environmental impact 148
application date, chicory 4220
application methods, chicory 4220
application rates, chicory 4220
control
Cuscuta planiflora
faba beans 2857
Trifolium alexandrinum 2857
Orobanche 2978
Orobanche crenata
faba beans 2857
Trifolium alexandrinum 2857
Stipa neesiana 4309
weeds
carrots 767
chicory 4220
lettuces 767, 3810
marrows 767
strawberries 799
damage
chicory 4220
faba beans 2857
Trifolium alexandrinum 2857
nontarget effects 148
properties, physical properties 148
quality, chicory 4220
roots, chicory 4220
seed germination, lettuces 3810
toxicity 148
yields
chicory 4220
lettuces 3810
2,4-DB
analytical methods
chromatography 3571
electrophoresis 3571
enzyme immunoassay 4469
extraction 112, 4010
liquid chromatography 112, 4010
application date
Brachiaria platyphylla 4582
Digitaria ciliaris 4582
Digitaria sanguinalis 4582
Eleusine indica 4582
groundnuts 324
Panicum texanum 4582
Sorghum halepense 4582
control
Amaranthus spinosus, groundnuts 324
Brachiaria platyphylla 4582
Chenopodium, Lotus corniculatus 1623
Cirsium arvense, Lotus corniculatus 1623
Digitaria ciliaris 4582
Digitaria sanguinalis 4582
Eleusine indica 4582
Panicum texanum 4582
Sorghum halepense 4582
weeds
Arachniodes adiantiformis 5125
Limnanthes alba 4234
Lotus corniculatus 1623
lucerne 3303, 3306, 5063
damage
Limnanthes alba 4234
Lotus corniculatus 1623
economics, lucerne 3306
interactions, herbicides 4582
population density, lucerne 3306
quality, lucerne 3306
residues
cereals 112
drinking water 4010
groundwater 4010
surface water 4010
Vigna radiata 112
water 4089
tolerance, *Limnanthes alba* 4234

2,4-DB *cont.*
toxicity, fungi 4089
water, fungi 4089
yields
groundnuts 324
lucerne 3303, 3306
Decodon verticillatus, hosts, insects 420
Defoliants 195, 589, 3833
Delilia biflora
biology
identification 2642
taxonomy 2642
ecology
distribution 2642
introduction 2642
Delphinium
control, cultural control 3300
toxicity, cattle 3850
Delphinium barbeyi
biology
alkaloids 1261
composition 1261
growth stages 1261
toxicity, cattle 1261, 5147
USA 1261, 5147
Delphinium tricorne
seeds
embryos 2598
plant growth regulators 2598
seed dispersal 2598
seed dormancy 2598
seed germination 2598
stratification 2598
temperature 2598
Dendrophithoe falcata
Albizia amara
host parasite relationships 837
India 837
surveys 837
Azadirachta indica
calcium 2922
composition 2922
diurnal variation 2922
gas exchange 2922
host parasite relationships 837, 2922
India 837, 2922
magnesium 2922
nitrogen 2922
phosphorus 2922
photosynthesis 2922
potassium 2922
stomata 2922
stomatal movement 2922
surveys 837
transpiration 2922
water relations 2922
forests
host parasite relationships 837, 3419
India 837, 3419
surveys 837, 3419
Denmark
Abies nordmanniana 3660
apples 3342
barley 972, 3765-3766
Carduus acanthoides 550
cereals 3751
Cirsium arvense 550
Cirsium oleraceum 550
Fagus sylvatica 3928
fallow 972, 2243
fodder beet
Chenopodium album 3808
Sinapis arvensis 3808
Stellaria media 3808
grain legumes 3751
herbicide residues
conferences 3889
groundwater 3582, 3744
soil 4918
sorption 4918
water 4477
wells 4477
herbicides
application rates 2412
cereals 3754
conferences 3889
economics 2412
environmental impact 3601
extension 3754
legislation 2412, 3744, 3754
nontarget effects 3601

Denmark *cont.*
herbicides *cont.*
plant breeding 3688
registration 3744
reports 867
research 3601, 3744
sugarbeet 1934
tolerance 1934, 3688
value added tax 1175
legumes 972
Miscanthus ogiformis 4199
onions
Chenopodium album 3808
Sinapis arvensis 3808
Stellaria media 3808
Poa pratensis, Poa annua 3843
Poaceae 972
Ranunculus peltatus 407
rape 3687
rye 4617
streams, *Potamogeton perfoliatus* 850
sugarbeet 3824, 4134, 4235
weed control, conferences 3889
weeds 3070, 3518
herbicide resistant weeds 3965
Stellaria media 3965
wheat 4617
Matricaria perforata 3494
rape, as weeds 276
Stellaria media 3494
Dennstaedtia punctilobula
biology
morphology 2260
phenotypes 2260
rhizomes 2260
ecology
genotype environment interaction 2260
population density 2260
forests, USA 2260
Deschampsia cespitosa
ecology
colonizing ability 490
nutrient availability 490
Finland 490
Deschampsia flexuosa
biology
carbon pathways 508
growth rate 508
photosynthesis 508
roots 508
transpiration 508
water relations 508
control
chemical control 4246
physical control 4246
ecology
distribution 2103
plant succession 2103
population dynamics 2103
surveys 2103
pastures, population dynamics 488
Descurainia sophia
biology
digestibility 1179
energy content 1179
proteins 1179
control
chemical control 277, 312, 2418, 5078
cultural control 277, 2418
physical control 277
utilization, fodder crops 1179
Deserts
Larrea tridentata, USA 1256
weeds, occurrence 489
Desiccants 204, 327, 652, 873, 1649, 2059, 2560, 3466, 3678, 3697-3698, 3804
Desmedipham
adjuvants
fodder beet 2385
sugarbeet 2385
application date, sugarbeet 2310, 5098
application rates, sugarbeet 2310, 2508, 4134
control
Abutilon theophrasti, sugarbeet 2069
Aethusa cynapium
fodder crops 726
sugarbeet 726

Desmedipham *cont.*
control *cont.*
Amaranthus retroflexus, sugarbeet 2069, 2509, 5098
Ammi majus, sugarbeet 2069
Chenopodium, sugarbeet 2069
Chenopodium album, sugarbeet 2509, 5098
Convolvulus arvensis, sugarbeet 2069
Cuscuta campestris, sugarbeet 2069
Kochia scoparia, sugarbeet 2509, 5098
Polygonum aviculare, sugarbeet 2069, 2508
Polygonum latifolium, sugarbeet 2069
Polygonum persicaria, sugarbeet 2069
Solanum nigrum, sugarbeet 2069
Solanum sarrachoides, sugarbeet 2509, 5098
weeds
fodder beet 2385
sugarbeet 331, 2385, 2508, 4134, 5097-5098
Zantedeschia albomaculata 4249
damage, sugarbeet 2509
formulations, carriers 2509
herbicides
application date 331
application rates 331
damage 331
tolerance 331
interactions
adjuvants 2385
herbicides 2069, 2310, 2385, 4134, 5097-5098
nontarget effects, fungi 3602
surfactants, sugarbeet 4134
toxicity, fungi 3602
tubers, *Zantedeschia albomaculata* 4249
yields, *Zantedeschia albomaculata* 4249
Desmetryn
chemistry
degradation 3549
oxidation 3549
residues, groundwater 3549
water
degradation 3549
oxidation 3549
Desmodium tortuosum
biology, morphology 4373
control
chemical control 1644, 2503, 4679
integrated control 4679
physical control 4679
groundnuts
hosts of plant diseases 3988
light 4373
plant competition 4373
shading 4373
USA 3988, 4373, 4679
yields 4373
hosts, fungi 3988
Desmodium triflorum
biology
emergence 4339
flowering 4339
fruiting 4339
phenology 4339
ecology
air pollution 3503
distribution 3503
plant communities 3503
population dynamics 3503
seeds, seed dispersal 4339
Developing countries
herbicide residues
feeds 4879
foods 4879
information 4879
surveys 4879
herbicides
application 4591
economics 1586
extension 237
food production 237
herbicide resistance 4552
legislation 699
plant breeding 215, 4552
safety 699
tolerance 215, 4552

Developing countries *cont.*
herbicides *cont.*
toxicity 4879
usage 699
weed control
biological control 3992
extension 237, 699
Food and Agriculture Organization 4152
herbicide resistance 215
history 4152
integrated control 237
microorganisms 3992
Di-allate
bioassays, rape 1547
control
Anagallis arvensis, wheat 735
Avena sterilis subsp. *ludoviciana,* wheat 735
Chenopodium album, wheat 735
Lathyrus aphaca, wheat 735
degradation
peas 1944
potatoes 1944
embryo culture, rape 1547
enzymes, rape 1547
fatty acids
peas 1944
potatoes 1944
rape 1547
lipids
peas 1944
potatoes 1944
rape 1547
metabolism, rape 1547
tillering, wheat 735
yields, wheat 735
Dicamba
adjuvants
Abutilon theophrasti 1566
Chenopodium album 1566
maize 4178, 4625
Rosa multiflora 4706
analytical methods
extraction 113, 569
gas chromatography 569
HPLC 569
antagonism, maize 4625
application
adjuvants 4124
application methods 2400
application rates 2400, 3713, 4124
carriers 4124
climate 3713
damage 3713
environmental impact 2400
safety 3713
storage 3713
application date
Digitaria ischaemum 4248
Festuca rubra 4248
lawns and turf 3842
maize 744, 3268, 3770
Poa pratensis 4248
Rosa multiflora 4706
sorghum 1607, 4182
application methods, maize 3770
application rates
buckwheat 2415
cereals 2415
grasslands 5061
Lavandula angustifolia 1247
maize 744, 1898, 2415, 3265, 3770
Origanum vulgare 1247
peas 2415
rape 2415
rosemary 1247
sage 1247
soyabeans 3265
sugarbeet 2415
wheat 3265
binding proteins, *Sinapis arvensis* 4543
bioassays, tomatoes 2052
chemistry, chemical properties 2400
composition, sugarcane 2883
control
Aegilops cylindrica, grasslands 5061
Amaranthus retroflexus, sorghum 4182
Anthemis
barley 4609

Dicamba *cont.*
control *cont.*
Anthemis cont.
rye 4609
triticale 4609
wheat 4609
Artemisia frigida
Agropyron cristatum 1617
Bromus inermis 1617
pastures 1617
rangelands 1617
Avena fatua
barley 4609
rye 4609
triticale 4609
wheat 4609
Bromus secalinus, wheat 3758
Bromus tectorum
grasslands 5061
lawns and turf 3842
Capsella bursa-pastoris
barley 4609
rye 4609
triticale 4609
wheat 4609
Carduus nutans, pastures 4198
Chenopodium album
barley 4609
lawns and turf 3842
rye 4609
sorghum 4182
triticale 4609
wheat 4609
Convolvulus arvensis, lawns and turf 3842
Coronilla varia, maize 3268
Cryptostegia grandiflora 2532
Cynodon dactylon, lawns and turf 3842
Digitaria ischaemum
Festuca rubra 4248
Poa pratensis 4248
Digitaria sanguinalis, maize 4625
Echinochloa crus-galli, sorghum 1607, 4182
Elymus repens, maize 4178
Eriochloa villosa, maize 4625
Eupatorium capillifolium 1725
Euphorbia esula
grasslands 2457
Poa pratensis 2457
prairies 2457
Galium aparine
barley 4609
cereals 4158
rye 4609
triticale 4609
wheat 4609
Lamium
barley 4609
rye 4609
triticale 4609
wheat 4609
Liquidambar styraciflua 5128
Panicum miliaceum, maize 4625
Polygonum
barley 4609
rye 4609
triticale 4609
wheat 4609
Rosa multiflora 4706
Setaria faberi, maize 4625
Sinapis arvensis 4555
Solanum carolinense, maize 1599
Solanum nigrum, sorghum 4182
Solanum viarum 5178
Stellaria media
barley 4609
rye 4609
triticale 4609
wheat 4609
Striga gesnerioides
maize 4279
sorghum 4279
Striga hermonthica
maize 4279
sorghum 4279
sunflowers, as weeds, sorghum 1607
Taraxacum, lawns and turf 3842
Trifolium repens, lawns and turf 3842
Trigonella, lawns and turf 3842

Dicamba *cont.*
control *cont.*
Viola arvensis
barley 4609
cereals 4158
rye 4609
triticale 4609
wheat 4609
weeds 2400, 4750
barley 3755, 3767, 4615, 5027
cereals 4158
Hemarthria altissima 4196
lawns and turf 3842
Lotus corniculatus 4203
maize 744, 2428, 3265, 3277, 3770-3771, 5037
millets 3755
oats 3755
rye 3767
soyabeans 3265
sugarcane 2883
triticale 5029-5030
wheat 3265, 3755, 4615, 5027
cross resistance, *Abutilon theophrasti* 1810
damage 1183, 4124
Agropyron desertorum 5061
Buchloe dactyloides 1615
buckwheat 2415
cereals 2415
Elymus hispidus subsp. *barbulatus* 5061
grasslands 2457, 5061
Lavandula angustifolia 1247
maize 2415, 4178, 4625
oil palms 2063
Origanum vulgare 1247
peas 2415
Poa pratensis 2457
prairies 2457
rape 2415
rosemary 1247
sage 1247
sorghum 4182
sugarbeet 2415
tomatoes 2052
digestibility, *Festuca arundinacea* 5062
economics
Cryptostegia grandiflora 2532
grasslands 2457
Poa pratensis 2457
prairies 2457
energy relations
maize 3265
soyabeans 3265
triticale 5029-5030
wheat 3265
environmental impact, maize 3277
establishment, *Lotus corniculatus* 4203
fibre, *Festuca arundinacea* 5062
formulations 4706
genetics, *Sinapis arvensis* 4555
growth rate
Lavandula angustifolia 1247
maize 3268
Origanum vulgare 1247
rosemary 1247
sage 1247
Sinapis arvensis 4543
interactions
adjuvants 1566, 4124, 4178, 4625, 4706
fertilizers 4625
fungicides 3755
herbicides 1607, 3713, 3755, 3758, 3767, 3842, 4124, 4158, 4178, 4198, 4248, 4609, 4615, 4625, 4706, 4750, 4940, 5027, 5029-5030, 5037, 5061-5062, 5128
plant growth regulators 647
soil amendments 3646
surfactants 1566, 4178, 4625, 4706
leaf age, *Poa pratensis* 3538
legislation
France 3770
Poland 2400
membrane potential
oats 195
wheat 195
mode of action 1855, 2400, 3770
oats 195

Dicamba *cont.*
mode of action *cont.*
Striga gesnerioides 4279
Striga hermonthica 4279
wheat 195
nontarget effects
soil fauna 4884
soil flora 4884
plant diseases, *Poa pratensis* 3538
plant growth regulators, *Sinapis arvensis* 4543
population density, *Solanum carolinense* 1599
properties, vaporization 1183
proteins, *Festuca arundinacea* 5062
registration, Poland 2400
regrowth, *Eupatorium capillifolium* 1725
residual effects
buckwheat 2415
cereals 2415
maize 1898, 2415
peas 2415
rape 2415
sugarbeet 2415
tomatoes 2052
residues
atmosphere 4472
composts 2052
groundwater 3137
maize 1898
sediment 3135
soil 113, 569, 618, 1082, 1863, 2324, 2337, 2415, 3135, 3646, 3770, 4884, 4940
soil water 2324
water 113, 569, 3135, 4524, 4884
wheat 145
zooplankton 3135
resistance
Abutilon theophrasti 1810
Sinapis arvensis 4555
retention
Abutilon theophrasti 1566
Chenopodium album 1566
seed germination
Striga gesnerioides 4279
Striga hermonthica 4279
seed production, *Festuca arundinacea* 5062
selectivity
Carduus nutans 4198
pastures 4198
sorghum 1607
soil
bacteria 2337
denitrification 2337
earthworms 618
fungi 4940
leaching 1082, 2324, 3646
microbial activities 2337
microorganisms 2337
movement 618, 2324, 3646
nitrification 2337
organic matter 1863
persistence 1082, 3770
photolysis 1082
soil fauna 4884
soil flora 2337, 4884
soil types 2415
sorption 618, 1082
volatilization 1082
soil types
buckwheat 2415
cereals 2415
maize 2415
peas 2415
rape 2415
sugarbeet 2415
somatic embryogenesis, *Eleusine coracana* 647
sugars, sugarcane 2883
surfactants
Abutilon theophrasti 1566
Chenopodium album 1566
maize 4178, 4625
Rosa multiflora 4706
Ulex europaeus 4255
synergism, wheat 3758
toxicity
aquatic organisms 3135
carcinogens 1855

Dicamba *cont.*
toxicity *cont.*
ecosystems 3135
insects 162
man 1855
mutagens 1855
neurotoxins 1855
nontarget organisms 1855
rats 1898
soil flora 2337
wildlife 1855
zooplankton 3135
uptake
Abutilon theophrasti 1566
Chenopodium album 1566
Ulex europaeus 4255
water
aquatic organisms 4884
biodegradation 4524
salinity 3135
yield components
Lotus corniculatus 4203
rye 738
yields
Agropyron cristatum 1617
barley 3755, 5027
Bromus inermis 1617
buckwheat 2415
cereals 2415, 4158
Festuca arundinacea 5062
grasslands 2457
maize 744, 1599, 2415, 3265, 3277, 4178, 4625
millets 3755
oats 3755
peas 2415
Poa pratensis 2457
prairies 2457
rape 2415
soyabeans 3265
sugarbeet 2415
sugarcane 2883
triticale 5029-5030
wheat 3265, 3755, 5027
Dichanthium annulatum
ecology
air pollution 3503
distribution 3503
plant communities 3503
population dynamics 3503
Dichanthium sericeum
sorghum
population dynamics 1795
surveys 1795
Dichlobenil
buds, grapes 320
control
weeds 3882
grapes 779
damage, apples 1931
economics, grapes 779
growth, grapes 320
growth rate, apples 1931
mycorrhizas, apples 1931
nectar, lucerne 4567
nontarget effects, honey bees 4567
quality, grapes 320
residues
atmosphere 3579
rain 3579
sugars, lucerne 4567
toxicity, mice 3156
yield components, grapes 320
yields, grapes 320
Dichlormate
carotenoids 1942
chemistry
new products 1942
structure 1942
pigments 1942
Dichlorprop
analytical methods 3615
chromatography 3571
electrophoresis 3571, 4020
ELISA 1877
enzyme immunoassay 4469
extraction 112, 3563, 4010
fluorescence 4024
gas chromatography 1037, 3563
immunoassay 1041, 4024
liquid chromatography 112, 4010
Dichlorprop *cont.*
analytical methods *cont.*
mass spectrometry 1037, 3563
application date
Oxalis pes-caprae 4171
Pseudotsuga menziesii 2520
Rosa multiflora 4706
rye 3195
triticale 4177
application methods, *Pseudotsuga menziesii* 2520
application rates, *Oxalis pes-caprae* 4171
bulbs, *Oxalis pes-caprae* 4171
chemistry, chemical properties 622
control
Acer macrophyllum, Pseudotsuga menziesii 2520
Apera spica-venti
cereals 262
wheat 262
Artemisia frigida
Agropyron cristatum 1617
Bromus inermis 1617
pastures 1617
rangelands 1617
Chenopodium album, wheat 3261
Elymus repens
cereals 262
wheat 262
Eupatorium capillifolium 1725
Galium aparine, cereals 4158
Liquidambar styraciflua 5128
Oxalis pes-caprae
fallow 4171
wheat 4171
Polygonum aviculare, wheat 3261
Rosa multiflora 4706
Sinapis arvensis, wheat 3261
Sorghum halepense, wheat 3261
Viola arvensis, cereals 4158
weeds
cereals 262, 3754, 4158
triticale 4177
wheat 262, 3261
damage, triticale 4177
formulations 4706
growth rate
algae 1076
cyanobacteria 1076
interactions
herbicides 4158, 4177, 4706, 5128
surfactants 4706
leaves, triticale 4177
legislation, Denmark 3744, 3754
nutrient content, wheat 3261
population density, *Oxalis pes-caprae* 4171
properties, physical properties 622
registration, Denmark 3744
residues
atmosphere 137, 2306
blood 1041
cereals 112
drinking water 3626, 4010
groundwater 3563, 3582, 3626, 3744, 4010
lakes 1072
man 1041
milk 1041
rain 137, 2306
sewage 3563
soil 622, 1094-1095, 1465, 3606, 3615, 3626, 4074
soil water 1094-1095, 3626, 4074
surface water 3563, 3626, 4010
tap water 3563
urine 1041
Vigna radiata 112
water 1041, 1071-1072, 1076, 1877
resistance, *Sorghum halepense* 3261
roots, *Oxalis pes-caprae* 4171
seed germination, rye 3195
soil
biodegradation 3615
chemical degradation 3615
degradation 1095, 1465, 3606
fertilizers 1095
leaching 1094-1095, 3626, 4074
microbial degradation 3615
movement 1094-1095, 1465, 3626
organic matter 622, 3615
Dichlorprop *cont.*
soil *cont.*
oxygen 3615
persistence 1095, 1465, 3606
pH 622, 3615
rain 3626
runoff 1094-1095
soil types 622, 1094-1095, 3615, 3626, 4074
soil water 3606, 3615
sorption 622, 3606
temperature 3606, 3615
surfactants, *Rosa multiflora* 4706
toxicity
algae 1076
aquatic organisms 1071
cyanobacteria 1076
fishes 1071-1072
insects 1071
soil fauna 1071
water, aquatic organisms 1071
yields
Agropyron cristatum 1617
Bromus inermis 1617
cereals 4158
triticale 4177
wheat 3261
Dichlorprop-P
application
application date 1933
application rates 1933
application rates
barley 733
wheat 733
control
Chenopodium album
barley 733
wheat 733
Fumaria officinalis
barley 733
wheat 733
Lamium
barley 733
wheat 733
Matricaria
barley 733
wheat 733
Stellaria media
barley 733
wheat 733
Viola arvensis
barley 733
wheat 733
weeds 1933
growth rate 1933
seed germination 1933
seed production 1933
viability 1933
yields
barley 733
wheat 733
Dichrostachys cinerea
biology
amino acids 1004
carbohydrates 1004
composition 1004
fatty acids 1004
fragrance 1004
lipids 1004
nutritive value 1004
pods 1004
ecology, herbivores 1004
seeds
composition 1004
seed banks 1004
seed predation 1004
South Africa 1004
Diclofop
acetyl-CoA carboxylase 1943
Avena byzantina 2367
Avena fatua 2367
Avena sterilis subsp. *ludoviciana* 1145
Lolium multiflorum 1143
Lolium rigidum 197
oats 677, 2372
adenosinetriphosphatase
oats 195
wheat 195
antagonism 3232
Avena byzantina 2367

Diclofop *cont.*
antagonism *cont.*
Avena fatua 2367
Lolium rigidum 197
application date
Agrostis stolonifera 2094
cereals 263
Cynodon dactylon 812
Lolium perenne 812
potatoes 313
wheat 2215
application methods, potatoes 313
application rates
Agrostis stolonifera 2094
cereals 263
Cynodon dactylon 812
Digitaria sanguinalis 1811
faba beans 4210
Lolium perenne 812
potatoes 313
Setaria faberi 1811
binding sites 1943, 3232
carotenoids
Avena byzantina 2367
Avena fatua 2367
cell membranes 1807, 3232
oats 2372
chemistry
photolysis 3617
structure 1943, 3232
composition
Avena byzantina 2367
Avena fatua 2367
control
Alopecurus myosuroides
barley 280
cereals 263
Avena
barley 280
cereals 263
Avena sterilis, faba beans 4210
Bromus tectorum, wheat 2458
Digitaria
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
Digitaria sanguinalis 1811
Cynodon dactylon 357
Eleusine indica
Cynodon dactylon 356-357
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
Galium aparine, cereals 263
Lolium, cereals 263
Lolium multiflorum, wheat 278
Lolium perenne
Cynodon dactylon 1244
Zoysia japonica 1244
oats, as weeds, wheat 2215
Poaceae, barley 280
Setaria faberi 1811
Thlaspi arvense, Bromus inermis 2456
Trifolium repens
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
weeds
cereals 263
Lolium perenne 4195
potatoes 313
Trifolium repens 4195
wheat 3760, 4616
cross resistance 1807
Lolium rigidum 2253
damage
Agrostis stolonifera 2094
Cynodon dactylon 356-357, 812, 1244
Cynodon transvaalensis × *C. dactylon* 356
faba beans 4210

Diclofop *cont.*
damage *cont.*
golf courses 356
Lolium perenne 812
Poa pratensis 356
Zoysia 356
Zoysia japonica 1244
degradation 1807
Avena 196
Avena sterilis subsp. *ludoviciana* 1145
Lolium rigidum 196
oats 2372
soyabeans 2346
economics, wheat 278, 3760
enzymes 1943
Avena byzantina 2367
Avena fatua 2367
Avena sterilis subsp. *ludoviciana* 1145
Lolium multiflorum 1143
Lolium rigidum 197
oats 195, 677, 2372
soyabeans 2346
wheat 195
fatty acids, oats 2372
growth rate, oats 2372
interactions
herbicides 3232, 4616
safeners 280
labour requirements, wheat 3760
legislation, Poland 2802
lipids, oats 677, 2372
membrane permeability, oats 677
membrane potential
Avena 196
Avena sterilis subsp. *ludoviciana* 1145
Lolium rigidum 196-197
oats 195
wheat 195
mode of action 313, 3232
Lolium rigidum 197
oats 195, 677, 2372
wheat 195
photosynthesis
Avena byzantina 2367
Avena fatua 2367
plant growth regulators
Avena byzantina 2367
Avena fatua 2367
population density, *Avena sterilis* 4210
population dynamics
Agrostis capillaris 4195
Cynosurus cristatus 4195
Dactylis glomerata 4195
Holcus lanatus 4195
Phleum pratense 4195
quality
Agrostis stolonifera 2094
wheat 278
registration, Poland 2802
residues
atmosphere 4472
groundwater 3137
sediment 3135
soil 3135, 3617
water 3135, 3617
zooplankton 3135
resistance 1807, 1809
Avena 196
Avena fatua 985, 4969
Avena sterilis subsp. *ludoviciana* 1145
Digitaria sanguinalis 1811
Lolium multiflorum 3077
Lolium rigidum 196-197, 983, 2253
oats × *Avena fatua* 3197
Setaria faberi 1811
roots, oats 2372
safeners, barley 280
soil, photolysis 3617
tissue culture, soyabeans 2346
tolerance
barley 280
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Lolium multiflorum 1143
oats × *Avena fatua* 3197

Diclofop *cont.*
tolerance *cont.*
Poa pratensis 356
Zoysia 356
toxicity
aquatic organisms 3135
ecosystems 3135
rats 2795
zooplankton 3135
translocation, *Avena sterilis* subsp. *ludoviciana* 1145
uptake
Avena sterilis subsp. *ludoviciana* 1145
oats 2372
water
photolysis 3617
salinity 3135
water stress
Avena byzantina 2367
Avena fatua 2367
yields
barley 280
Bromus inermis 2456
wheat 2215, 3760
zeaxanthin
Avena byzantina 2367
Avena fatua 2367
Diethatyl
application date, sugarbeet 5098
control
Amaranthus retroflexus, sugarbeet 5098
Chenopodium album, sugarbeet 5098
Kochia scoparia, sugarbeet 5098
Solanum sarrachoides, sugarbeet 5098
weeds, sugarbeet 5098
interactions, herbicides 5098
Difenoxuron
control
Anthemis arvensis, Oenothera biennis 4680
Apera spica-venti, Oenothera biennis 4680
Myosotis arvensis, Oenothera biennis 4680
Poa annua, Oenothera biennis 4680
Veronica dillenii, Oenothera biennis 4680
Viola arvensis, Oenothera biennis 4680
weeds, *Oenothera biennis* 4680
interactions, herbicides 4680
yields, *Oenothera biennis* 4680
Difenzoquat
analytical methods
nuclear magnetic resonance 1860
ultraviolet spectroscopy 1860
voltammetry 1860
application rates, *Avena fatua* 54
chemistry, chemical reactions 1860
control, *Avena fatua,* barley 54
cross resistance, *Avena fatua* 54
growth rate, *Avena fatua* 54
interactions, dextrins 1860
resistance, *Avena fatua* 54
Difezan 3755
Diflufenican
application date
cereals 263
wheat 4085
application rates
cereals 263-264
wheat 275
bioassays, turnips 4067
carotenoids 1942
chemistry
new products 1942
structure 1942
chlorophyll
Sinapis alba 4067
turnips 4067
contact angle
Avena fatua 3229
Pteridium aquilinum 3229
control
Alopecurus myosuroides
cereals 263
wheat 1582
Avena, cereals 263

Diflufenican *cont.*
control *cont.*
Galium, wheat 1582
Galium aparine
cereals 263, 4611
wheat 275
Lolium, cereals 263
weeds
asparagus 772
cereals 263-264
Coriandrum sativum 295
wheat 1582
damage
asparagus 772
Sinapis alba 4067
turnips 4067
droplet size
Avena fatua 3229
Pteridium aquilinum 3229
droplet studies
Avena fatua 3229
Pteridium aquilinum 3229
economics, wheat 1582
enzymes, avocados 1945
fatty-acid synthase, avocados 1945
growth rate, *Coriandrum sativum* 295
interactions
fertilizers 4084-4085
herbicides 4611
surfactants 1962, 3229
leaves
Sinapis alba 4067
turnips 4067
mode of action, avocados 1945
pigments 1942
residual effects 4084
Sinapis alba 4067
turnips 4067
residues
groundwater 3655
soil 3614, 3647, 3655, 4067, 4084-4085
soil water 3655
resistance
Sisymbrium orientale 4410
Sonchus oleraceus 4410
selectivity, asparagus 772
soil
climate 3655
degradation 3614, 3655, 4084-4085
fertilizers 4084-4085
leaching 3614, 3647, 3655
microorganisms 4067
movement 3655, 4067
organic matter 3647
persistence 3614, 4067, 4084-4085
runoff 3650
soil properties 3647
soil water 3614
sorption 3614
temperature 3614
surfactants
Avena fatua 3229
Pteridium aquilinum 1962, 3229
susceptibility
Sisymbrium orientale 4410
Sonchus oleraceus 4410
toxicity, bacteria 1945
translocation, *Pteridium aquilinum* 1962
uptake
Avena fatua 3229
grasslands 3650
Pteridium aquilinum 1962, 3229

Digera arvensis
control
chemical control 2464, 2501, 3278, 5040
cultural control 3278
integrated control 3278
physical control 2464, 2501, 3278, 5040
ecology
nutrient uptake 4797
plant competition 4797
temperature 4797
herbicides, nutrient uptake 5040
Pennisetum glaucum
control 4797
nutrient uptake 4797
plant competition 4797
weed control, nutrient uptake 5040

Digitalis purpurea
biology
carotenoids 1839
chlorophyll 1839
composition 1831
leaves 1831
light 1839
photosynthesis 1831, 1839
pigments 1831, 1839
zeaxanthin 1831, 1839
ecology
habitats 1839
light 1839
shading 1839

Digitaria
control 43
chemical control 356, 1562, 1964, 2487
cultural control 51
ecology 5110
plant communities 51
surveys 51
forests, chemical control 5110
Hevea brasiliensis
budding 43
plant competition 43
Lolium perenne, seed contamination 3906
utilization 5110

Digitaria adscendens *(see Digitaria ciliaris)*

Digitaria asiatica
control, chemical control 2089
forests, Russia 2089

Digitaria ciliaris
biology
composition 927
identification 3943
control
chemical control 2058, 3799, 4186, 4233, 4244, 4582
cultural control 4186, 4637
integrated control 4186, 4637
physical control 2058, 3799, 4186, 4233
ecology
allelopathy 927
nitrification 927
Rhizobium 927
soil flora 927
herbicides
application date 4582
bioassays 4857
nutrient uptake 4244
population dynamics 3799
Lolium perenne, population dynamics 4637
pastures, population dynamics 4637
seeds, seed banks 3943
vegetables
emergence 3943
seasonal variation 3943
seed banks 3943
weed control, population dynamics 3799

Digitaria cruciata
control
chemical control 4651
integrated control 4651
physical control 4651
herbicides, nutrient uptake 4651

Digitaria debilis
control
chemical control 1609
physical control 1609

Digitaria eriantha
herbicides
application date 4200
application rates 4200
damage 4200
selectivity 4200
South Africa 4200

Digitaria horizontalis
control 437
cotton, surveys 3956
ecology, emergence 437
seeds
buried seeds 437
seed dispersal 437
soil depth 437
storage 437
viability 437

Digitaria insularis, control, chemical control 4692

Digitaria ischaemum
Agrostis stolonifera, USA 2095
control
chemical control 1318, 2095-2096, 2523, 3021, 3378-3379, 4248
cultural control 2523
integrated control 2523
Festuca, USA 3378
Festuca rubra, USA 4248
herbicides
application date 4248
application rates 1318
binding sites 1147
enzymes 1147
growth rate 3021
resistance 1598
seed germination 3021
soil water 1318
lawns and turf, USA 3379
Lolium perenne, USA 3378
maize, allelopathy 3021
Poa pratensis, USA 2096, 2523, 3378-3379, 4248

Digitaria marginata
control
chemical control 3322
physical control 3322

Digitaria sanguinalis
Allium sphaerocephalon, USA 2896
biology
emergence 2163
temperature 2163
transpiration 469
water relations 469, 2163
Canna, USA 2896
Capsicum, plant competition 3718
celery
allelopathy 1787
growth rate 1787
control
chemical control 233, 357, 1241, 1245, 1556, 1562, 1564, 1633, 2093, 2096, 2426, 2435, 2791, 2894-2896, 3718, 4123, 4225, 4578, 4582, 4625, 4629, 5108, 5123
cultural control 1406, 2435, 4364
integrated control 3718
physical control 2435, 3718, 4629
Crocosmia crocosmiiflora, USA 2896
Cynodon dactylon
plant competition 1241
USA 357, 1241, 1245
Cynodon transvaalensis × *C. dactylon,* USA 1245
ecology
biotypes 1811
drought 469
plant competition 4364
temperature 2163
water relations 2163
Festuca arundinacea
plant competition 1241
USA 1241, 2895
Hemerocallis, USA 2896
herbicides
acetyl-CoA carboxylase 4584
adjuvants 4123
antagonism 233, 4584
application date 233, 4123, 4582, 4584
application rates 233, 1811, 4584
composition 2791
cysteine 4560
degradation 4560, 4584
enzymes 4560, 4584
glutathione 4560
leaf angle 4578
pigments 2791
resistance 1811, 4560
retention 4578
safeners 4560
surfactants 4578
transferases 4560
translocation 4584
uptake 4584
hosts
insects 3536
viruses 3536
Iris germanica, USA 2896
Lilium, USA 2896

Digitaria sanguinalis *cont.*
Lolium perenne, USA 2894
lucerne
allelopathy 3058
emergence 3058
growth rate 3058
seed germination 3058
survival 3058
maize
Egypt 3536
flowering 2225
fruiting 2225
hosts of plant diseases 3536
hosts of plant pests 3536
life cycle 2225
plant competition 3718
population dynamics 2225
Narcissus, USA 2896
onions, plant competition 3718
Ornithogalum umbellatum, USA 2896
Paeonia, USA 2896
pastures
New Zealand 3938
plant succession 3938
population dynamics 3938
seasonal variation 3938
Phaseolus vulgaris
plant competition 943
population density 943
USA 943
yields 943
Poa pratensis, USA 2093, 2096
rice
population density 1406
seasonal variation 3515
surveys 3515
seeds
imbibition 2163
seed banks 2435
seed germination 2163, 5016
seed predation 4364
soil depth 5016
temperature 2163, 5016
water 2163
sorghum, population dynamics 2435
soyabeans, plant competition 3718
strawberries, allelopathy 4225
sunflowers, plant competition 3718
sweet potatoes, China 1633
USA 233, 2163
Digitaria setigera, ecology, distribution 2187
Dill (*see Anethum graveolens)*
Dimefuron
application date, peas 3318
control, weeds, peas 3318
residues
aquifers 2300
drinking water 2300
groundwater 2300
river water 2300
soil 2300, 2323
surface water 2300
water 2300
wells 2300
soil
movement 2300
organic matter 2323
sorption 2323
Dimepiperate
amino acids, rice 3230
cell division, rice 3230
control, cyanobacteria, rice 2016
degradation, rice 3230
enzymes, rice 3230
growth rate, rice 3230
safeners, rice 3230
translocation, rice 3230
uptake, rice 3230
Dimethachlor
control
Poaceae, maize 1597
weeds, maize 1597
damage, maize 1597
yields, maize 1597
Dimethametryn
application date, rice 1609
control
algae, rice 2015
cyanobacteria, rice 2015-2016
Cyperus difformis, rice 1609
Digitaria debilis, rice 1609
Dimethametryn *cont.*
control *cont.*
Leptochloa caerulescens, rice 1609
Ludwigia, rice 1609
Sphenoclea zeylanica, rice 1609
damage, rice 1609
economics, rice 1609
yields, rice 1609
Dimethenamid
application date, maize 3268, 3770
application methods, maize 3770
application rates
lentils 1216
Lolium multiflorum 4500
maize 3770
oats 4500
soyabeans 1625, 4642
bioassays
Lolium multiflorum 4500
oats 4500
control
Amaranthus, soyabeans 1625
Amaranthus retroflexus 1216
Chenopodium album 1216
Coronilla varia, maize 3268
Malva parviflora 1216
Setaria viridis 425, 1216
Sinapis arvensis 1216
weeds
maize 3770-3771, 4500, 4628
soyabeans 1625
damage
lentils 1216
soyabeans 1625, 4642
growth rate
Lolium multiflorum 4500
maize 3268
oats 4500
soyabeans 3681
legislation
France 3770
UK 240
mode of action 3770
oils, soyabeans 1625
plant height, soyabeans 4642
population density, soyabeans 4642
proteins, soyabeans 1625
quality, soyabeans 1625
rain, *Setaria viridis* 425
residues, soil 3770, 4500
roots, soyabeans 3681
selectivity, soyabeans 1625
soil
persistence 3770, 4500
soil types 4500
soil water 4642
soil water, soyabeans 4642
tolerance
lentils 1216
soyabeans 3681, 4642
variety trials, soyabeans 3681, 4642
yields
lentils 1216
soyabeans 4642
Dimethipin 195, 2802
Dimethoate
legislation, Poland 2401
registration, Poland 2401
Dimorphotheca sinuata
seeds
light 3895
salinity 3895
seed germination 3895
temperature 3895
Dinebra retroflexa
seeds
light 893
seed germination 893
soil water 893
temperature 893
Dinitroaniline herbicides
binding sites 1528
chemistry
chemical properties 1528
structure activity relationships 1528
microtubules 1528
mitosis 1528
Lolium rigidum 2684
mode of action 1528
receptors 1528
resistance 1809, 3027
Dinitroaniline herbicides *cont.*
resistance *cont.*
Eleusine indica 3686
Lolium rigidum 983
Dinoseb
adenosinetriphosphatase
potatoes 2370
turnips 2370
amino acids, cyanobacteria 1537
application date, peas 3318
application rates
maize 3265
soyabeans 3265
wheat 3265
binding sites, cyanobacteria 1537
chlorophyll, algae 2369
control
weeds
maize 3265
peas 311, 3318, 5027
soyabeans 3265
wheat 3265
cross resistance, cyanobacteria 3203
electron transfer, cyanobacteria 1537
energy relations
maize 3265
soyabeans 3265
wheat 3265
enzymes
potatoes 2370
turnips 2370
ethane, algae 2369
genes, cyanobacteria 3203
growth rate, algae 2369
interactions, herbicides 1537
legislation
France 2844, 3318
peas 3318
membrane potential
oats 195
wheat 195
mitochondria
potatoes 2370
turnips 2370
mode of action
algae 2369
oats 195
potatoes 2370
turnips 2370
wheat 195
mutants, cyanobacteria 1537, 3203
nucleotide sequences, cyanobacteria 3203
oxygen
potatoes 2370
turnips 2370
photosynthesis, cyanobacteria 1537
proteins, cyanobacteria 3203
protoporphyrin, algae 2369
registration, France 2844
resistance, cyanobacteria 3203
thylakoids, cyanobacteria 1537
toxicity, rats 1064
yields
maize 3265
peas 5027
soyabeans 3265
wheat 3265
Dinoterb
application date
peas 3318
triticale 4177
control
weeds
peas 3318
triticale 4177
damage, triticale 4177
interactions, herbicides 4177
leaves, triticale 4177
residues, soil 183, 187
soil
fungi 187
microbial activities 183, 187
microorganisms 183
mineralization 187
nitrification 187
organic matter 187
respiration 187
yields, triticale 4177
Dioscorea (*see* Yams)

Diospyros virginiana
control
chemical control 351
physical control 351
herbicides, population density 3371
Pinus taeda
growth rate 351
plant competition 351
plant height 351
yields 351
Diphenamid
control
maize
as weeds
meadows 3387
wild flowers 3387
Sorghum halepense
apples 2495
peaches 2495
weeds
apples 2495
peaches 2495
wheat
as weeds
meadows 3387
wild flowers 3387
growth rate
apples 2495
peaches 2495
Diplotaxis erucoides 911
biology
emergence 911, 2246
fecundity 911
flowering 911
flowers 911
fruits 911
growth rate 911
leaves 911
lifespan 911
reproduction 911
ecology
genotype environment interaction 2246
survival 911, 2246
seeds
seed germination 911
seed production 911
Diplotaxis virgata
biology, cytology 4774
Indian mustard, intergeneric hybridization 4774
Dipsacus sylvestris
biology, growth rate 3495
ecology
distribution 3495
habitats 3495
invasion 3495
light 3495
plant competition 3495
population density 3495
national parks, USA 3495
seeds, seed germination 3495
Diquat
adjuvants, aquatic weeds 423
analytical methods
extraction 1464
gas liquid chromatography 120
HPLC 4018
kinetics 4871
liquid chromatography 4018, 4464
mass spectrometry 120, 4018
spectrophotometry 1464, 4871
spectroscopy 1464
application, sprayers 4893
application date
cereals 3753
potatoes 313, 3804
sesame 1649
sugarbeet 794
wheat 3753
application methods
apples 3341
potatoes 313
application rates
onions 4654
potatoes 313
carbohydrates, *Hydrilla verticillata* 1311
chemistry
cysteine 4871
degradation 120

Diquat *cont.*
chloroplasts
Conyza 3209
Conyza canadensis 3209
control
aquatic weeds 1485
Capsella bursa-pastoris, Coriandrum sativum 4252
Chenopodium album, Coriandrum sativum 4252
Convolvulus arvensis, Coriandrum sativum 4252
Hydrilla verticillata 1311
Lamium purpureum, Coriandrum sativum 4252
weeds
cereals 3753
cherries 1221
Coriandrum sativum 4252
fallow 270
Lotus corniculatus 4203
onions 4654
potatoes 313
sugarbeet 4587
wheat 3753
cross resistance, *Conyza canadensis* 3209
damage
apples 3341
onions 4654
desiccation
lucerne 4638
potatoes 3804
sesame 1649
sunflowers 3678, 3697
electron transfer, algae 161
establishment, *Lotus corniculatus* 4203
fruits, apples 3341
growth rate
algae 4102
apples 3341
Coriandrum sativum 4252
cyanobacteria 4102
Lemna minor 3436
interactions
herbicides 4019, 4654, 4892
nutrients 161
mode of action 313
nontarget effects, fishes 4055
nutrient uptake
algae 3436
cyanobacteria 3436
oils, sunflowers 3678
palatability, *Hydrilla verticillata* 1311
photosynthesis
algae 161
Conyza canadensis 3209
photosystem I, *Arctotheca calendula* 1540
population density, *Coriandrum sativum* 4252
quality
onions 652
sunflowers 3678, 3697
registration, Canada 3436
residues
blood 1464
drinking water 4018
foods 4464
lakes 423
plant products 4464
potatoes 4871
sediment 423, 4055
sesame 1649
soil 3165, 4055, 4871
water 161, 423, 4018, 4055, 4871
resistance
Arctotheca calendula 1540
Conyza canadensis 3209
respiration, algae 161
seed germination
onions 652
sesame 1649
seed production
lucerne 4638
onions 652
seeds, sunflowers 3678
soil
humus 3165
sorption 3165, 4055
tolerance, *Valeriana officinalis* 4250

Diquat *cont.*
toxicity
allergens 4892
aquatic organisms 161, 3436
ecosystems 3436
fishes 1483, 1485, 4055
man 4892-4893
rats 1061
translocation, *Arctotheca calendula* 1540
ultrastructure
Conyza 3209
Conyza canadensis 3209
uptake, *Arctotheca calendula* 1540
water
degradation 161, 423
movement 423
yield components, *Lotus corniculatus* 4203
yields
apples 3341
cherries 1221
lucerne 4638
onions 652, 4654
sesame 1649
sunflowers 3697
wheat 270
Directories
herbicides
availability 1738
chemistry 2279
companies 2279, 4326, 5187
education 4326
information 4326
manufacture 1733
marketing 2279
mode of action 2279
regulation 1733
research 1733, 4326
UK 4326
usage 1738, 2279
weed control
companies 4326
education 4326
information 4326
research 4326
UK 4326
Discaria toumatu
seeds
imbibition 1421
seed dormancy 1421
seed germination 1421
seed morphology 1421
stratification 1421
temperature 1421
testas 1421
Disetalin 1590
Distichlis spicata
biology
carbon 1288
growth rate 1288
photosynthesis 1288
respiration 1288
senescence 1288
water relations 1288
ecology
carbon dioxide enrichment 1288
plant communities 1288
wetlands, USA 1288
Ditch banks
aquatic weeds, species diversity 1313
Asteraceae, surveys 1407
Cyperus, surveys 1407
Cyperus papyrus
colonizing ability 3437
growth rate 3437
population dynamics 3437
spatial distribution 3437
spread 3437
Epilobium, surveys 1407
Galium, surveys 1407
Heracleum mantegazzianum
distribution 3450
grazing 3450
surveys 3450
Ixophorus unisetus, Costa Rica 57
Netherlands 1312
Phragmites australis
species diversity 1313
UK 1313
Poa, surveys 1407
Poaceae, surveys 1407

Ditch banks *cont.*
Polygonum, surveys 1407
Potentilla, surveys 1407
Ranunculus, surveys 1407
Sparganium erectum
species diversity 1313
UK 1313
UK 965
Veronica, surveys 1407
weeds
species diversity 1312
surveys 965
Ditches
aquatic weeds, species diversity 1313
Cyperus papyrus
colonizing ability 3437
growth rate 3437
population dynamics 3437
spatial distribution 3437
spread 3437
Phragmites australis
species diversity 1313
UK 1313
Polygonum aviculare, Italy 1853
Sparganium erectum
species diversity 1313
UK 1313
UK 965
weeds, surveys 965
Dithiopyr
application date
Agrostis stolonifera 2094
Cynodon dactylon 812
forests 3388
Lolium perenne 812
rice 2772
rights of way 3388
roadsides 3388
application rates
Agrostis stolonifera 2094
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Cynodon dactylon 812
Cynodon transvaalensis × *C. dactylon* 3377
Echinacea purpurea 2098
Festuca arundinacea 3377
Gaillardia aristata 2098
Lolium perenne 812
Rudbeckia hirta 2098
control
Conyza canadensis
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Digitaria
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
Digitaria ischaemum
lawns and turf 3379
Poa pratensis 3379
Digitaria sanguinalis
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Cynodon dactylon 357
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Lolium perenne 2894
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Poa pratensis 2093
Eleusine indica
Cynodon dactylon 356-357
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356, 2093
Zoysia 356

Dithiopyr *cont.*
control *cont.*
Euphorbia humistrata
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Euphorbia maculata
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
Leptochloa fascicularis 3452
Leptochloa filiformis 3452
Oxalis stricta
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
Trifolium repens
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
cytology, oats 217
damage
Agrostis stolonifera 2094
Buchloe dactyloides 1615
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Cynodon dactylon 356-357, 812
Cynodon transvaalensis × *C. dactylon* 356, 3377
Echinacea purpurea 2098
Festuca arundinacea 3377
Gaillardia aristata 2098
golf courses 356
lawns and turf 1242
Lolium perenne 812
Poa pratensis 356
rice 2772
Rudbeckia hirta 2098
Stenotaphrum secundatum 4103
Zoysia 356
development
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
flowering
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
formulations
emulsifiable concentrates 2094
granules 2094
growth rate
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Echinochloa crus-galli 2345
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896

Dithiopyr *cont.*
growth rate *cont.*
rice 2345, 2772
Stenotaphrum secundatum 4103
microtubules, oats 217
mitosis, oats 217
mode of action, oats 217
quality, *Agrostis stolonifera* 2094
residues, soil 2894
roots, *Stenotaphrum secundatum* 4103
selectivity
Echinochloa crus-galli 2345
rice 2345
soil
degradation 2894
movement 2894
soil types, rice 2772
tolerance
Allium sphaerocephalon 2896
Canna 2896
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Crocosmia crocosmiiflora 2896
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356, 3377
Echinacea purpurea 2098
Festuca arundinacea 3377
Gaillardia aristata 2098
golf courses 356
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Poa pratensis 356
rice 2345
Rudbeckia hirta 2098
Zoysia 356
translocation
Echinochloa crus-galli 2345
rice 2345
uptake
Echinochloa crus-galli 2345
rice 2345, 2772
Diuron
amino acids
cyanobacteria 1537
maize 3207
analytical methods
chromatography 3571, 4576
dialysis 3568
electrophoresis 3571
extraction 4458, 4863
HPLC 4014
liquid chromatography 122, 3568, 4863
mass spectrometry 122, 4863
spectrophotometry 3580
anatomy
Galium aparine 1924
Hedera helix 1924
application
adjuvants 4512
spraying 3585
surfactants 4576
application date
grapes 2057
railways 3391
sugarcane 2884
application methods, sugarcane 2884
application rates
cotton 3834
grapes 2057
Hevea 4692
maize 3265
oats 3768
Phaseolus vulgaris 2039
Quercus nigra 4695
soyabeans 3265
sugarcane 2884
wheat 3265
binding sites
Arabidopsis thaliana 3084
cyanobacteria 1537, 1539
peas 2368
bioassays
cucumbers 4502
Lolium 4512
chemistry, synthesis 4057

Diuron *cont.*
chlorophyll 4861
rice 655
chloroplasts, peas 2368
chlorosis
Cynodon dactylon 2362
rice 655
composition
Festuca arundinacea 3185
Galium aparine 1924
Hedera helix 1924
control
Ageratum conyzoides, Morus australis 4244
Agrostis capillaris
Festuca 3304
grasslands 3304
Amaranthus hybridus 3389
Amaranthus viridis, Morus australis 4244
Ambrosia artemisiifolia, roadsides 3389
carrots
as weeds
railways 3391
roadsides 3389
Celosia argentea, soyabeans 4204
Centaurea maculosa
railways 3391
roadsides 3389
Chenopodium album 3389
Chromolaena odorata 3952
Commelina benghalensis
Morus australis 4244
soyabeans 4204
Convolvulus arvensis
guavas 3351
mandarins 3346
Croton lobatus, Hevea 4692
cyanobacteria 419
lakes 4304
rice 2016
Cynodon dactylon
guavas 3351
mandarins 3346
Morus australis 4244
soyabeans 4204
Cyperus esculentus 3389
Cyperus rotundus
guavas 3351
mandarins 3346
Morus australis 4244
Dactylis glomerata
Festuca 3304
grasslands 3304
Digitaria ciliaris, Morus australis 4244
Digitaria insularis, Hevea 4692
Echinochloa, soyabeans 4204
Eclipta alba, soyabeans 4204
Euphorbia hirta
guavas 3351
mandarins 3346
soyabeans 4204
Fallopia convolvulus
oats 4622
Vicia sativa 4622
Festuca arundinacea, railways 3391
Fumaria officinalis
oats 4622
Vicia sativa 4622
Lactuca serriola, roadsides 3389
Lamium amplexicaule
oats 4622
Vicia sativa 4622
Lolium perenne 1619
Festuca 3304
grasslands 1618, 3304
seed crops 1618
Lolium rigidum, oats 3768
Melilotus alba, railways 3391
Oxalis stricta 3389
parsnips
as weeds
railways 3391
roadsides 3389
Polygonum aviculare
oats 4622
Vicia sativa 4622
Saccharum spontaneum, soyabeans 4204

Diuron *cont.*
control *cont.*
Setaria faberi
grapes 3345
roadsides 3389
Sonchus arvensis, guavas 3351
Sorghum halepense
apples 2495
guavas 3351
mandarins 3346
peaches 2495
Taraxacum officinale 3389
roadsides 3389
Vulpia myuros
Festuca 3304
grasslands 3304
Wedelia paludosa, Hevea 4692
weeds
apples 2495, 4661
cotton 1660, 2083, 3834
cowpeas 1629, 2083
Festuca 3304
grapes 779, 2057, 3345
grasslands 3304
lemons 4672
maize 3265
oats 4622
oranges 4672
peaches 2495
rice 2019
soyabeans 3265, 4204
sugarcane 2884
Vicia sativa 4622
wheat 3265
cuticle
Galium aparine 1924
Hedera helix 1924
damage
almonds 3818
cotton 1660
Cynodon dactylon 2362
Festuca 3304
grasslands 3304
Hevea 4692
oats 3768, 4622
oil palms 2063
Phaseolus vulgaris 2039
Vicia sativa 4622
electron transfer 3695
cyanobacteria 1537-1538, 3203, 3692, 4963
rape 3692
tobacco 3692
emergence, oats 4622
energy relations
maize 3265
soyabeans 3265
wheat 3265
fluorescence
Barbarea vulgaris 4964
peas 2368
formulations
controlled release 3705
wettable powders 3705
fruits
guavas 3351
mandarins 3346
genes, cyanobacteria 3203
growth rate
apples 2495
cucumbers 4502
cyanobacteria 419
Lolium 4512
peaches 2495
Phaseolus vulgaris 2039
rice 2349
Wolffia arrhiza 2569
interactions
herbicides 1537, 1660, 2349, 3304, 3768, 3834, 4014, 4622, 4692, 4695, 4883
pesticides 3580
surfactants 4576
leaves
Galium aparine 1924
Hedera helix 1924
Quercus nigra 4695
sugarcane 4110
legislation, European Communities 3585
light, cyanobacteria 4963
meristems, maize 3207

Diuron *cont.*
mode of action 4861
algae 3694
cyanobacteria 4963
maize 3207
mutants 3695
algae 3210
cyanobacteria 1537-1539, 3203, 3692
rape 3692
tobacco 3692
nontarget effects, aquatic invertebrates 4057
nucleotide sequences, cyanobacteria 3203
nutrient uptake
Ageratum conyzoides 4244
Amaranthus viridis 4244
Commelina benghalensis 4244
Cynodon dactylon 4244
Cyperus rotundus 4244
Digitaria ciliaris 4244
Morus australis 4244
peroxidation, algae 3694
pH, peas 2368
photosynthesis 3695
almonds 3818
cyanobacteria 1537-1538, 4963
maize 3207
peas 2368
sugarcane 4110
Wolffia arrhiza 2569
photosystem II 3695
Barbarea vulgaris 4964
cyanobacteria 1539, 3203, 4963
peas 2368
pigments
cyanobacteria 4304
Festuca arundinacea 3185
plant breeding, tolerance 3695
plant diseases, *Quercus nigra* 4695
plant height, *Festuca arundinacea* 3185
population dynamics
oats 4622
Vicia sativa 4622
properties, heat stability 1864
proteins
cyanobacteria 3203, 3692
rape 3692
tobacco 3692
quality
guavas 3351
lemons 4672
mandarins 3346
oranges 4672
registration, Australia 3768
residual effects, *Phaseolus vulgaris* 2039
residues
aquifers 2300
atmosphere 4873
drinking water 2300, 3585, 3589, 4863
groundwater 122, 2300, 3580, 4863
river water 122, 2300, 3568, 4033
sediment 1864
soil 2039, 2300, 3580, 3585, 3705, 3818, 4458, 4502, 4512, 4515
surface water 2300, 4863
tap water 122, 3568
Vaccinium corymbosum 1050
water 1493, 2300, 3568, 3585, 4883
wells 2300
resistance
algae 3210, 3695
Alopecurus myosuroides 1123
cyanobacteria 419, 1538, 3203
Lolium rigidum 983
Sisymbrium orientale 4410
Sonchus oleraceus 4410
rooting, rice 655
seed production
Festuca arundinacea 3185
grasslands 1618
Lolium perenne 1619
seed crops 1618
selectivity, cotton 3834
soil
leaching 3705, 4512, 4515
movement 2300, 4512
organic matter 2039
persistence 4502, 4515
pH 2039
soil types 4458

Diuron *cont.*
soil *cont.*
sorption 4512
sprayers, sugarcane 2884
susceptibility
Sisymbrium orientale 4410
Sonchus oleraceus 4410
temperature
algae 3210
Barbarea vulgaris 4964
thylakoids
algae 3210
cyanobacteria 1537-1538, 3692
rape 3692
tobacco 3692
tolerance
cyanobacteria 1539
oats 4622
Vicia sativa 4622
toxicity
aquatic invertebrates 4057
cyanobacteria 419
fishes 4056
fungi 1074
public health 4883
rats 3599
toxins, cyanobacteria 4304
ultraviolet radiation, *Wolffia arrhiza* 2569
uptake
Galium aparine 1924
Hedera helix 1924
variety trials, sugarcane 4110
water
degradation 1493
ozone 1493
waxes
Galium aparine 1924
Hedera helix 1924
yield components
cotton 3834
guavas 3351
mandarins 3346
yields
cotton 2083, 3834
cowpeas 2083
Festuca 3304
Festuca arundinacea 3185
grasslands 1618, 3304
guavas 3351
lemons 4672
Lolium perenne 1619
maize 3265
Morus australis 4244
oranges 4672
seed crops 1618
soyabeans 3265, 4204
wheat 3265
DNOC
cross resistance, cyanobacteria 3203
genes, cyanobacteria 3203
mutants, cyanobacteria 3203
nucleotide sequences, cyanobacteria 3203
proteins, cyanobacteria 3203
resistance, cyanobacteria 3203
Dodecatheon meadia
Melilotus alba
distribution 951
habitats 951
population density 951
Potentilla arguta
distribution 951
habitats 951
population density 951
Solidago graminifolia
distribution 951
habitats 951
population density 951
USA 951
Dolichos lablab *(see Lablab purpureus)*
Domestic gardens
herbicides, companies 5187
weeds
introduction 2674
spread 2674
Dominican Republic, rice, rice, as weeds 1199
Douglas fir *(see Pseudotsuga menziesii)*
DPX-E9636 1623
DPX-PE350 233, 426, 1644, 2776, 4584, 4688
DPX-V9360 1553
DPXA8947 5046
Drainage channels
aquatic weeds, species diversity 1313
Phragmites australis
species diversity 1313
UK 1313
Sparganium erectum
species diversity 1313
UK 1313
DSMA
application date, *Agrostis stolonifera* 2095
application rates, *Agrostis stolonifera* 2095
control, *Digitaria ischaemum, Agrostis stolonifera* 2095
damage
Agrostis stolonifera 2095
oil palms 2063
pigments, *Agrostis stolonifera* 2095
plant diseases, *Agrostis stolonifera* 2095
quality, *Agrostis stolonifera* 2095
Duchesnea chrysantha
hosts, bacteria 2704
rice, hosts of plant diseases 2704
Duchesnea indica
ecology
distribution 2224
introduction 2224
phenology 2224
gardens, distribution 2224
urban areas, spread 2631
Ducks, control, rice, as weeds, rice 2018
Dunes
Calluna vulgaris, occurrence 2103
Echium vulgare, Netherlands 2160
weeds
disturbed land 3067
introduction 3067
plant communities 3067
Durio zibethinus, weeds, integrated control 4154
Dye plants, as weeds 469
E9636 3451
East Africa
weeds
Eleusine coracana 4729
Pennisetum glaucum 4729
sorghum 4729
Striga 4729
Echinacea purpurea
Cyperus esculentus, USA 1248
Eclipta alba, USA 1248
herbicides
application rates 2098
damage 1248, 2098
flowering 1248
tolerance 1248, 2098
Echinochloa
biology
biochemistry 4342
cytology 4342
evolution 4342
identification 4342
morphology 4342
taxonomy 4342
control
biological control 3287, 4839
chemical control 2439, 2444, 2487, 4204-4205, 4630
cultural control 3497, 4205, 4342
integrated control 4342
physical control 905, 4205, 4630
ecology
distribution 4342
plant succession 4342
population dynamics 4342
fallow
population dynamics 1795
surveys 1795
rice
biological control 3287
growth rate 1778
light 1778
nutrient availability 1778
Philippines 905
plant competition 1778
seed contamination 905
Spain 2439
surveys 2439
yields 1778
Echinochloa *cont.*
sorghum
population dynamics 1795
surveys 1795
soyabeans
Brazil 3497
plant competition 3497
yields 3497
utilization, foods 2627
Echinochloa colona *(see Echinochloa colonum)*
Echinochloa colonum
biology, composition 2403
control
chemical control 1191, 1202, 1211, 1213, 2464, 3278, 3322, 3363, 4184-4185, 4191, 4232, 4629, 4651, 5040, 5048
cultural control 1191, 1202, 1211, 3278
integrated control 3278, 4185, 4651
physical control 1211, 2464, 3278, 3322, 3363, 4184-4185, 4191, 4232, 4629, 4651, 5040, 5048
cotton
surveys 4806
yields 4806
ecology
biotypes 3220, 4094
nutrient uptake 4797
plant competition 4797
temperature 4797
garlic, hosts of plant pests 1851
herbicides
amidase 3220, 4094
application date 4094
degradation 4094
enzymes 3220, 4094
leaves 3186
morphology 3186
nitrogen 4191
nutrient uptake 4191, 4651, 5040
resistance 3186, 3220, 4094
roots 3186
stomata 3186
susceptibility 4094
translocation 3186
uptake 3186, 4094
waxes 3186
hosts
bacteria 1850
insects 1851, 4839
mites 1851
lucerne
surveys 4806
yields 4806
maize
plant competition 1191
surveys 4806
yields 4806
Malaysia 4839
Nigeria 3186
Pennisetum glaucum
control 4797
nutrient uptake 4797
plant competition 4797
rice
hosts of plant diseases 1850
plant competition 1202
seeds, plant diseases 1850
sorghum
allelopathy 2223, 3179-3180
bioassays 3180
growth rate 2223, 3179
seed germination 2223, 3179-3180
surveys 4806
yields 4806
soyabeans, Pakistan 1213
sugarcane
hosts of plant pests 1851
surveys 4389
utilization, nematicidal plants 2403
vegetables
surveys 4806
yields 4806
weed control
nitrogen 4191
nutrient uptake 4191, 5040
wheat
surveys 4806
yields 4806

Echinochloa crus-galli
barley
plant competition 2824
yields 2824
biology
adenosinetriphosphatase 4568
enzymes 1423, 4568
exudates 4542
genetic variation 1523
growth rate 3871, 4568
leaf area index 4370
photosynthesis 1423
plant growth regulators 4542, 4941
plant height 4370
plasma membranes 4568
roots 4370, 4568
temperature 1423
tillers 4370
buckwheat
allelopathy 3500
growth rate 3500
seed germination 3500
Capsicum, plant competition 3718
carrots, Switzerland 1632
celery
allelopathy 1787
growth rate 1787
control
biological control 1197, 2714, 3114
chemical control 424, 646, 752, 1202, 1451, 1562-1563, 1568, 1576, 1607-1608, 1632, 1721, 2006, 2026, 2028, 2036, 2058, 2061, 2089, 2196, 2221, 2299, 2411, 2426, 2437, 2781, 2791, 2824, 2826, 2886, 3055, 3237, 3292, 3312, 3355, 3718, 3784, 3786, 3788, 4002, 4182, 4185, 4191, 4193-4194, 4216, 4221, 4452, 4629, 5048, 5059, 5108
cultural control 1202, 1384, 1386, 1405-1406, 2196, 2437, 2449, 2689-2690, 2781, 2824, 3292, 3493, 4193, 5082
integrated control 2196, 2411, 2437, 2781, 3355, 3718, 3786, 4185
physical control 2006, 2020, 2026, 2028, 2058, 2221, 2411, 3292, 3355, 3718, 3786, 3788, 4185, 4191, 4193, 4629, 5048, 5082
ecology
allelopathy 4568
anoxia 4766
biotypes 1523
distribution 3871
ecotypes 1423
plant competition 3871
population density 3055, 3871
salinity 3871
temperature 1423
water stress 4766
faba beans, Poland 1563
forests, Russia 2089
herbicides
adjuvants 1568
α-amylase 1534
anatomy 1523, 2782, 3190
apical meristems 2781
application date 1721, 3189
application rates 424, 1576, 3189, 4117
bioassays 1451, 1542, 4452
carbohydrates 1534
carotenoids 2791
cell division 3190
chlorophyll 2365, 3189, 4091
composition 1534, 2791, 3189, 4091
cyanide 4091
cysteine 4560
degradation 2771, 4560
enzymes 1523, 1534, 4091, 4560
glutathione 4560
growth rate 424, 1523, 1542, 1576, 2026, 2299, 2345, 2714, 2781-2782, 3114, 3189, 4091, 4117
hydrogen cyanide 646
leaves 1534, 2781-2782
membranes 1523
mode of action 4091
morphology 424, 2782
nitrogen 4191

Echinochloa crus-galli *cont.*
herbicides *cont.*
nutrient uptake 4191
photosynthesis 1534
phytoene 2791
phytofluene 2791
pigments 2791
plant growth regulators 646, 4091
plant height 1523, 3189
proteinases 1534
proteins 1523
regrowth 3189
resistance 1523, 2024, 2219, 4560
ribonucleases 4117
roots 1542, 2714, 2782, 3114, 4091
safeners 4560
seed germination 1534
seeds 1534
selectivity 2345, 2365, 2771, 3189-3190
shoot apices 2782
shoots 2782, 4091
soil water 2781-2782
starch 1534
stomata 1534
sugars 1534
synergism 1576
transferases 4560
translocation 2345, 2771, 3189
transpiration 1534
ultralow volume spraying 1568
uptake 424, 2345, 2771
hosts, insects 4839
lucerne
allelopathy 4539
growth rate 4539
saponins 4539
maize
chemical control 1603
composition 2115
Croatia 2826
emergence 1603
flowering 2225
fruiting 2225
life cycle 2225
nitrates 2115
nutrient content 2115
nutrient uptake 2196
plant competition 3718
population dynamics 2225
Switzerland 2115
Ukraine 1603
Malaysia 4839
oats
plant competition 2824
yields 2824
onions, plant competition 3718
peas, Poland 1563
Phaseolus vulgaris, nutrient uptake 2196
potatoes
control 3935
nutrient uptake 936
plant competition 936
Poland 3935
surveys 2221
yields 936
rice
emergence 3936
growth rate 1384, 3936
India 2020, 3786, 3788
Italy 752
Korea Republic 1384, 2449, 2689-2690, 2781
leaf area 3936
leaves 3936
nutrient uptake 1386, 3292
panicles 4370
Philippines 3936
plant competition 1202, 1384, 1386, 1405, 3936, 4370
population density 1405-1406, 3292, 3936, 4370
population dynamics 3066
Spain 2437
spatial distribution 1384
surveys 3066, 4815
USA 2024, 3784
yield components 4370
yields 1202, 3292, 3936, 4370
rye
allelopathy 2219

Echinochloa crus-galli *cont.*
rye *cont.*
growth rate 2219
seed germination 2219
seeds
buried seeds 3055, 3894
composition 4542
inhibitors 4766
oxygen 4766
seed banks 5, 3055
seed dispersal 5
seed dormancy 3894
seed germination 3894, 4766
seed weight 4542
soil depth 3894
temperature 3894
sorghum, Italy 1607
soyabeans
Bulgaria 3493
climate 3493
developmental stages 3493
growth rate 3493
plant competition 3493, 3718
population density 3493
temperature 3493
USA 3312
yields 3493
sugarbeet
allelopathy 1401
composition 1401
growth rate 1401
Poland 2886
sugars 1401
sunflowers
Croatia 2061
plant competition 3718
USA 1721
Vigna radiata
nutrient uptake 3292
population density 3292
yields 3292
weed control
anatomy 2689-2690
chlorophyll 2449
growth rate 2026, 2449
morphology 2449
nitrogen 4191
nutrient uptake 4191
plant height 2449
seed germination 2449
wetlands, USA 3871
wheat
Bulgaria 3493
plant competition 2824
yields 2824
Echinochloa frumentacea, herbicides, bioassays 3552
Echinochloa glabrescens
control
chemical control 3292
cultural control 3292
physical control 3292
rice
nutrient uptake 3292
population density 3292
yields 3292
Vigna radiata
nutrient uptake 3292
population density 3292
yields 3292
Echinochloa oryzicola (*see Echinochloa oryzoides*)
Echinochloa oryzoides
biology, emergence 4632
control
biological control 1015
chemical control 4632
ecology, seasonal variation 4632
hosts
insects 4839
snails 1015
Malaysia 4839
rice, hosts of plant pests 1015
Echinochloa phyllopogon (*see Echinochloa oryzoides*)
Echinochloa utilis
herbicides
bioassays 3693
cell culture 3693
chlorophyll 3693
composition 3693

Echinochloa utilis *cont.*
herbicides *cont.*
enzymes 3693
ethane 3693
gas exchange 3693
growth rate 3693
light 3693
mode of action 3693
pigments 3693
protoporphyrin 3693
Echium italicum
biology, pollen 4599
ecology, nickel 4599
utilization, indicator plants 4599
Echium vulgare
biology
flowers 2160
phenotypes 2160
pollen 2160
sex differentiation 2160
sterility 2160
water relations 2160
dunes, Netherlands 2160
ecology
nutrient availability 2160
water stress 2160
France 1012
hosts
Araneae 556
arthropods 556
beneficial insects 556
insects 1012
seeds
seed production 2160
viability 2160
Eclipta
control
chemical control 3292
cultural control 3292
physical control 3292
rice
nutrient uptake 3292
population density 3292
yields 3292
Vigna radiata
nutrient uptake 3292
population density 3292
yields 3292
Eclipta alba
control
chemical control 1211, 3786, 4204
cultural control 1211
integrated control 3786
physical control 1211, 3786
Coreopsis lanceolata, USA 1248
Echinacea purpurea, USA 1248
Gaillardia aristata, USA 1248
hosts, fungi 544
Leucanthemum vulgare, USA 1248
rice
India 3786
population dynamics 3066
surveys 3066
Eclipta prostrata
cereals
population dynamics 4384
soil fertility 4384
control
chemical control 1648, 4112, 4629
physical control 4629
herbicides, photosynthesis 4112
maize
population dynamics 4384
soil fertility 4384
rice
growth rate 1778
light 1778
nutrient availability 1778
plant competition 1778
yields 1778
sugarcane, surveys 4389
Economics
herbicide residues, analytical methods 1460
herbicides
Acer rubrum 821
aerial application 1967
application 4131
application methods 1967
application rates 1176, 2412
atrazine 1176
Economics *cont.*
herbicides *cont.*
Austria 1175
Belgium 1175
Carya tomentosa 821
companies 3733
contracts 3730
cost benefit analysis 1889
Denmark 1175
desiccation 1649
Developing countries 1586
development 4129
economic thresholds 3748
faba beans 1563, 1984
forests 704
France 1175
Germany 1175, 4451, 5005
Greece 4144
groundnuts 1646
helicopters 1967
importation 1175, 3243
international trade 4591
Italy 1175
labour requirements 1646, 1649, 3730
legislation 239
linseed 1984
Liquidambar styraciflua 821
Luxembourg 1175
maize 869, 2196
manufacture 3733, 4451
marketing 2279, 2306, 3243, 4591, 4755
models 2412
Netherlands 1175, 4593
new products 3233
Norway 2306
Nyssa sylvatica 821
Ostrya virginiana 821
peas 1563
Phaseolus vulgaris 2196
Poland 719, 4595
price elasticities 4145
prices 1175
Prunus serotina 821
Quercus 821
rape 1984
rice 1196, 2444, 4630
Sassafras albidum 821
site preparation 704
sorghum 869
sugarbeet 1563, 2888
Sweden 5007
Switzerland 1175
tomatoes 703
triticale 1984, 5032
Turkey 5006
UK 1175
Ulmus 821
USA 705
usage 1952, 5006-5007
value added tax 1175
world markets 1583
yields 719
Ziziphus mauritiana 2402
weed control 1978
Abutilon theophrasti 4382
Aegilops cylindrica 5127
Alopecurus myosuroides 4802
Amaranthus 4604
Artemisia frigida 1617
Artemisia tridentata 3305
Asclepias syriaca 456
aubergines 773
Avena fatua 2182
Avena sterilis 4164
avocados 782
bananas 249, 4227-4228
barley 3262, 4313
beetroots 4604
biological control 2151
Bouteloua gracilis 4634
Brassica 1320
broccoli 2489
Bromus tectorum 5127
cabbages 4604
canals 2151
Capsicum 3718
carrots 1632
cassava 2825
cauliflowers 4604
Economics *cont.*
weed control *cont.*
cereals 1320, 1987, 3253, 3716, 3750, 4253, 4312-4313, 4594, 4607
contracts 3725, 3729-3730, 3732
Conyza canadensis 5127
cost benefit analysis 4694
cotton 2874, 3832, 4145
Cryptostegia grandiflora 2532
economic thresholds 1185, 3735
Eleusine coracana 2825, 5043
equipment 3241
Eucalyptus 4694
Euphorbia esula 2909
faba beans 1563
fallow 333, 493, 4253, 5127
field crops 3737
flame cultivators 4989
flax 1320
forests 355, 2090, 3364, 4241
Ghana 3737
government 3728
grasslands 2457
grazing 3739
groundnuts 1646, 2825, 2880, 4232, 5043
harrowing 3253
hoeing 3717
integrated control 1936, 1980
jute 2088
labour requirements 1602, 1638, 1646, 2443, 3725, 3729-3730, 3732, 4156
leeks 1320
legislation 1581
lentils 4185, 4647
linseed 784, 1320, 2873
low input agriculture 257-258
lucerne 3306, 5063
maize 903, 1602, 1605, 1975, 2002, 2196, 2429, 2432, 2657, 2825, 3718, 3776, 3779, 4179, 4382
market economics 3728
Miscanthus ogiformis 4199
models 4164
national parks 6
okras 4604
onions 3718
Orobanche 2854, 2977
Orobanche crenata 2854
parks 3732
pastures 4634
peas 1320, 1563, 2861, 4604, 4607, 4647
Phaseolus 4604
Phaseolus vulgaris 310, 2196
Picea sitchensis 354
Pinopsida 5114
Pinus echinata 5118
Pinus halepensis 5115
Pinus radiata 354
Pinus taeda 354, 4245
plantation crops 3739
planting stock 5115
Poa pratensis 2457
Poland 4594
population density 1182
potatoes 1177, 1320, 2480-2481, 3241, 3324, 4594, 4651, 5077
power lines 3392
prairies 2457
Pseudotsuga menziesii 355, 810
radishes 4604
rangelands 2458
rape 3352, 4230, 4594, 4607
research support 2394
rice 754, 1196, 1609, 2021, 2023, 2443-2444, 3289, 3784, 4185-4187, 4630, 5042-5043, 5048
rights of way 700-701, 3392
rye 739, 3716
safflower 322
Scorzonera 1320
sesame 3821
sorghum 729
soyabeans 903, 1211, 1975, 2429, 2467, 2655, 3718, 3799, 4179, 4207, 4382, 5043
spread 4398
Striga 1688, 2125

Economics *cont.*
weed control *cont.*
Striga hermonthica 3428
sugarbeet 793, 1177, 1563, 2888, 4587, 4594, 4684
sugarcane 1230, 2067
sunflowers 1394, 2874, 3353, 3718, 5091
tomatoes 4604
tree fruits 4660
triticale 3262, 5032
waterways 3732
wheat 729-730, 1177, 1185, 1211, 1582, 2418, 3256, 3262, 3716, 3760, 4164, 4313, 5025
weeds 1978
Alectra 4277
Alternanthera philoxeroides 1714
broccoli 2656
Cassia obtusifolia 946
cattle 3414
cereals 933
Chromolaena odorata 3849
cotton 946
Cuscuta 3892
economic thresholds 463, 715, 946, 2198, 2654-2656, 3738, 3934
Elodea canadensis 3442
faba beans 2933
flax 3934
forests 3892
groundnuts 946
land use 702
lentils 2859
Linaria vulgaris 4343
maize 946
Orobanche 2979, 2986, 3892, 4277
Orobanche ramosa 2968
parasitic weeds 2933, 3892
Pimelea elongata 3414
Pimelea simplex 3414
Pimelea trichostachia 3414
plant competition 355
poisonous weeds 826
research support 2394
rice 702, 935
soyabeans 2198, 2655
Striga 3892, 4277
Sudan 2979
sugarbeet 2203
sunflowers 2933
Tapinanthus 3892
tobacco 2081, 2933
tomatoes 2933
toxicity 826, 3414
USA 705
utilization 708
Vallisneria americana 2574
wheat 2654
Egeria densa
biology
alcohols 2146
enzymes 2146
ion transport 2146
leaves 2146
pH 2146
plasma membranes 2146
redox reactions 2146
ecology, birds 3443
rivers, USA 3443
Eggplants (*see* aubergines)
Egypt
canals, aquatic weeds 2151
cotton 2084-2085
faba beans 759
Orobanche 2957
Orobanche crenata 1686, 2856, 2958
flora 2627-2628, 2805
grapes 5089
Heliotropium curassavicum 1756
herbicides
environmental impact 2806
marketing 2806
toxicity 2806
usage 2806
lakes, aquatic weeds 5172
lucerne 3347-3350
maize 2649
Digitaria sanguinalis 3536
Setaria verticillata 3536
Setaria viridis 3536
Egypt *cont.*
Orobanche 3421
peas 1773
pomegranates 3347-3350
rivers, aquatic weeds 5172
sesame 3820
sour oranges 2058
sugarcane 2506
water reservoirs, aquatic weeds 5172
weed control
faba beans 2859
integrated control 2806
Orobanche 2859, 2978
weeds
Eichhornia crassipes 4287
fungi 4287
Heliotropium curassavicum 3940
Lemna gibba 4290
Orobanche 2978
Plantago 1435
Egyptian clover (*see Trifolium alexandrinum*)
Ehrharta calycina
forests
Australia 3955
fire effects 3955
invasion 3955
population density 3955
spread 3955
roadsides
Australia 3955
fire effects 3955
invasion 3955
population density 3955
spread 3955
Eichhornia crassipes
biology
amino acids 1296
antibiotics 4297
calcium 1296
catechol oxidase 5170
cellulose 1296
compaction 1717
composition 406, 3010, 4282, 4286, 4301
copper 1296
enzymes 5170
esters 4286
fatty acids 4286
fibres 4301
fungicides 4297
growth rate 2559, 2567
hydrocarbons 4286
in vitro culture 4297
iron 1296
ketones 4286
leaf area 2559
leaves 2559, 2567, 4286
light 2559
lignin 1296, 4282
manganese 1296
metabolism 4740
morphology 2559, 4301
nutrient content 2148
nutrient uptake 1296
nutritive value 3010
palladium 1296
peroxidase 5170
petioles 2559
phenol 4740
phenols 5170
phytochelatins 406
plant diseases 4287
plant growth regulators 2567
platinum 1296
proteins 1296
rhodium 1296
roots 2559, 5168
rubidium 1296
stems 4301
stolons 2559
translocation 1296
uptake 5168
vegetative propagation 2559
waxes 4286
zinc 1296
control
biological control 1197, 2567, 3880-3881, 3999, 4307, 5175
chemical control 2567, 3881
integrated control 2567, 3881
Eichhornia crassipes *cont.*
control *cont.*
physical control 3881
ecology
bacteria 5170
birds 3443
chromium 4295
copper 4295
cycling 4738
distribution 3881, 4307
earthworms 4738
exudates 5170
heavy metals 2148, 4295
insects 5175
lead 3862
light 2559
nickel 4295
nutrient availability 2141, 2148, 5170
nutrient content 4284
nutrient uptake 848, 2148, 3862, 4284, 4295
pH 3862
population density 2567, 5175
rhizosphere 4740, 5170
shading 2559
zinc 848
herbicides
degradation 409
enzymes 409
glutathione transferase 409
superoxide dismutase 409
uptake 409
hosts
bacteria 2130
fungi 4287
India 5175
lakes, Zimbabwe 2148
rivers
Argentina 2141
USA 3443
Zimbabwe 4284
utilization
antifeedants 846
carbon 3014
cut flowers 3014
feeds 3010, 3014, 3434
fibre plants 3014
foods 3014
fuel crops 3014
growing media 4282, 4737
indicator plants 409
insecticidal plants 846
paper 4301
pesticidal plants 849
waste water treatment 848, 3014, 4295, 5168
water purification 3862
Eichhornia paniculata
biology
anatomy 3875
morphology 3875
seedlings 3875
Eichhornia speciosa (*see Eichhornia crassipes*)
Elaeagnus angustifolia
control
chemical control 4693, 4707
physical control 4693
herbicides
aerial application 4707
application methods 4707
susceptibility 4693
Elaeagnus orientalis, weed control, erosion 236
Elaeis guineensis (*see* Oil palms)
Elaeis oleifera (*see* Oil palms)
Elaterium carthaginense
biology, identification 2117
coffee, occurrence 2117
toxicity, cattle 2117
Elatine ambigua
biology
anatomy 2193
flowers 2193
identification 2193
leaves 2193
nomenclature 2193
taxonomy 2193
Elatine triandra
biology
anatomy 2193

Elatine triandra *cont.*
biology *cont.*
flowers 2193
identification 2193
leaves 2193
nomenclature 2193
taxonomy 2193
control, chemical control 110, 3055, 4334
ecology, population density 3055
herbicides
seed banks 4334
seed production 4334
rice, Japan 110
seeds
buried seeds 3055
seed banks 3055, 4334
seed production 4334
Elders (*see Sambucus)*
Eleocharis atropurpurea
rice
population dynamics 3066
surveys 3066
Eleocharis baldwinii
biology
anatomy 4746
carbon pathways 4746
carbonate dehydratase 4746
enzymes 4746
malic acid 4746
phosphoenolpyruvate carboxylase 4746
photosynthesis 4746
ribulose-bisphosphate carboxylase 4746
vascular system 4746
ecology
flooding 4746
habitats 4746
Eleocharis kuroguwai
biology
carbohydrates 2783
dormancy 2175
emergence 1342
growth rate 1374
nutrient content 1374
photoperiodism 1374
photosynthesis 2783
plant height 1374
respiration 2783
sprouting 2175
tubers 1342, 1374, 2175, 2783
control
biological control 3287
chemical control 1522, 3055, 5046
cultural control 1384, 1386, 1405-1406
physical control 1374
ecology
emergence 1342
flooding 1374
nutrient uptake 1374
population density 3055
soil depth 1342, 2175
temperature 1342, 1374, 2175
water relations 1374, 2175
herbicides
buds 1522, 1927
carbohydrates 1522, 2783
emergence 1522
growth rate 1522, 2783
photosynthesis 2783
regrowth 1927
respiration 2783
soil depth 1522
sprouting 1522, 1927
tubers 1522, 2783
rice
biological control 3287
growth rate 1384
Korea Republic 1384, 2175
nutrient uptake 1386
plant competition 1384, 1386, 1405
population density 1405-1406
spatial distribution 1384
seeds
buried seeds 3055
seed banks 3055
Eleocharis parvula
ecology, salinity 500
USA 500
Eleocharis plantaginea
ecology, climate 3446
herbicides
chlorophyll 3446
composition 3446
India 3446
Eleocharis sphacelata
wetlands
gas exchange 2140
methane production 2140
stems 2140
Eleusine africana (*see Eleusine indica)*
Eleusine coracana
Cyperus rotundus
allelopathins 4541
allelopathy 1788, 4541
seed germination 4541
herbicides
economics 5043
organogenesis 647
somatic embryogenesis 647
yields 5043
India 2014, 5043
Melinis repens, Zambia 2825
Striga, yields 4729
weed control
economics 5043
yields 2825, 5043
weeds
chemical control 2014
plant communities 2825
population density 2825
yields 2825
Eleusine indica
biology
genes 3686
genetic variation 3686
growth rate 4366
habit 4341
life cycle 4341
microtubules 3686
morphology 4366
phenotypes 3686
tubulin 3686
control
chemical control 57, 356-357, 1564, 2093, 2501, 3278, 3376, 4186, 4200, 4232, 4582, 5108
cultural control 3278, 4186
integrated control 3278, 4186
physical control 2501, 3278, 4186, 4232
cotton, herbicide resistance 4408
Cynodon dactylon, USA 357
ecology
biotypes 57, 3686, 4114, 4408
distribution 4341
habitats 4341
plant competition 4366
surveys 4341
trampling 4366
farmyards, Costa Rica 57
herbicides
acetyl-CoA carboxylase 4114
application date 4582
bioassays 4101
composition 2791
cross resistance 57, 4114
enzymes 4114
growth rate 57, 4101
lipids 4114
mode of action 4114
pigments 2791
resistance 57, 2684, 3686, 4114, 4408
susceptibility 4101
hosts
insects 1851
mites 1851
Ilex cornuta × *I. pernvi* × *I. latifolia,* USA 3376
Japan 4366
Lagerstroemia fauriei × *L. indica,* USA 3376
Malaysia 4114
ornamental plants, USA 3376
Poa pratensis, USA 2093
Quercus virginiana, USA 3376
rice
population dynamics 3066
surveys 3066
sugarcane, hosts of plant pests 1851
Eleusine indica *cont.*
Viburnum utile, USA 3376
Elms (*see Ulmus)*
Elodea
biology, identification 3442
utilization
aquaculture 404
feeds 404, 3434
Elodea canadensis
biology
ammonium 1304
anatomy 1710, 3013, 3864
bicarbonates 3864, 3876
carbon 1710
carbon dioxide 3864, 3876
carbon pathways 3876
chloroplasts 1710, 2556, 3013, 3864
composition 4743
cytology 3877
development 3877
enzymes 3876
epidermis 3864
fatty acids 4743
gas exchange 3864
glycolipids 4743
growth rate 3876
injuries 2556
lateral movement 2556
leaves 1710, 3877
light 2556
lipids 4743
metabolism 3864
mitochondria 3013
morphology 1710
nitrogen 3876
nutrient content 3876
nutrient uptake 3864, 3876-3877
phloem 3864
phospholipids 4743
photosynthesis 1304, 1710, 3013, 3864, 3876
physiology 3442
protoplasts 3013
ribulose-bisphosphate carboxylase 3876
root hairs 3877
roots 3877
stems 1710
temperature 2556
water relations 2556
xylem 3864
control 3442
chemical control 1314
ecology
carbon 1710
distribution 3442, 4296
eutrophication 4296
habitats 3442
heavy metals 3013
invasion 4296
nutrient availability 1304, 1710, 3876
nutrient uptake 1304
pH 1710
spread 3442, 4296
survival 3442
France 1304
herbicides, environmental impact 3610
rivers, Russia 4296
Elodea densa
biology
chlorides 3872
membrane permeability 3872
pH 3872
plant growth regulators 3872
proton pump 3872
Elodea nuttallii
biology
ammonium 1304
photosynthesis 1304
ecology
nutrient availability 1304
nutrient uptake 1304
France 1304
Elymus elymoides, Bromus tectorum, plant competition 1
Elymus hispidus
Centaurea solstitialis
invasion 954
light 954
plant competition 954
shading 954

Elymus hispidus *cont.*
Centaurea solstitialis cont.
soil water 954
USA 954
herbicides
damage 3792
plant height 3792
USA 3792
Elymus hispidus* subsp. *barbulatus, herbicides, damage 5061
Elymus lanceolatus, *Bromus tectorum,* plant competition 1
Elymus repens
allotments, Poland 4704
Amaranthus retroflexus
allelopathy 4378
growth rate 4378
roots 4378
barley
allelopathy 4378
Canada 47
Germany 2420
growth rate 4378
population density 47, 494
roots 4378
surveys 494
Belgium 1158
biology
allelopathins 4378
apical dominance 4535, 4537
buds 1507, 4535, 4537
composition 4378, 4536
defoliation 4537
dormancy 4537
exudates 4536
growth rate 926
internodes 4535
leaf area 926
plant growth regulators 1114, 1507, 4535, 4537
regeneration 1720
rhizomes 1507, 1720, 4535, 4537
root exudates 4378
roots 4536
shoots 4536
vegetative propagation 4535
Canada 1507, 1720
cereals
distribution 3951
Germany 262
plant competition 262
population density 3951, 4399
soil pH 3951
soil types 3951, 4809
surveys 4399, 4809
control
chemical control 248, 262, 287, 290, 1158, 1161, 1167, 1186, 1190, 1319, 1507, 1555, 1563, 1565, 1600, 1621, 1720, 1964, 1996, 2071-2073, 2089, 2205, 2221, 3343, 3698, 3774, 3779, 4178-4179, 4704, 5059
cultural control 47, 262, 290, 1600, 1996, 2420
integrated control 262, 287, 290, 1600, 2071-2072, 3779
physical control 47, 262, 287, 290, 1600, 1996, 2071-2072, 2221, 2420, 3779
cress
allelopathy 4378
growth rate 4378
roots 4378
ecology
biotypes 1190, 1720
carbon dioxide enrichment 926
invasion 971
spread 967
temperature 926
water stress 1720
faba beans, Germany 2420
fallow
Canada 47
Germany 1996
occurrence 498
population density 47
soil types 4809
species diversity 967
surveys 498, 967, 4809
Elymus repens *cont.*
flax
Canada 47
population density 47
forests, Russia 2089
grasslands, Germany 1996
hedges
fertilizers 969
nitrogen 969
herbicides
adjuvants 1167, 1319, 1555
application date 3741
application methods 3741
application rates 1319
plant diseases 2774
population density 1186
rain 1158
relative humidity 1158, 1319
resistance 3741, 4399
rhizomes 1555
selectivity 3741
surfactants 1319, 2387, 4704
temperature 1555
translocation 1319, 2774
uptake 1319, 2774
hosts, fungi 2774
Lolium perenne
allelopathy 4378
growth rate 4378
roots 4378
lucerne
allelopathy 1114
seed germination 1114
USA 1621
maize
Canada 1190, 1600, 4179
chemical control 3779
drought 1600
Romania 4178
USA 290
Netherlands 1167
Norway 1161
oats
population density 494, 4399
surveys 494, 4399
paths, Poland 4704
Poa annua
allelopathy 4378
growth rate 4378
roots 4378
potatoes
Canada 2205
plant competition 2205
population density 2205
surveys 2221
tubers 2205
yields 2205
rape
allelopathy 4378
Canada 47
growth rate 4378
population density 47
roots 4378
rye
allelopathy 4378
growth rate 4378
roots 4378
soyabeans
Canada 1600, 4179
drought 1600
sugarbeet
allelopathy 1401
composition 1401
Czech Republic 2073
growth rate 1401
Poland 1563, 2071-2072
sugars 1401
Trifolium, Germany 1996
vegetables
distribution 3951
population density 3951
soil pH 3951
soil types 3951
wheat
allelopathy 4378
Canada 47, 1186
chemical control 1996
Germany 262, 1996, 2420
growth rate 4378
plant competition 262
Elymus repens *cont.*
wheat *cont.*
population density 47, 494, 1186, 4399
roots 4378
spread 968
surveys 494, 4399
yields 968, 1996
Elymus smithii
Artemisia tridentata, USA 3305
herbicides
damage 3792
plant height 3792
USA 3792
Elymus spicatus
Bromus tectorum, plant competition 1
Centaurea maculosa
carbohydrates 2035
composition 2035
plant competition 2035
Centaurea solstitialis
invasion 954
light 954
plant competition 954
shading 954
soil water 954
USA 954
Elytrigia *(see Elymus)*
Elytrigia intermedia *(see Elymus hispidus)*
Elytrigia repens *(see Elymus repens)*
Elytrigia spicata *(see Elymus spicatus)*
Emex australis
Australia 438, 975
ecology
colonizing ability 975
habitats 438
introduction 975
seasonal variation 438
seeds
buried seeds 975
seed dormancy 438
seed germination 438
seed production 975
Emilia sonchifolia
cabbages, hosts of plant pests 96
cucumbers, hosts of plant pests 96
garlic, hosts of plant pests 96
hosts, insects 96
onions, hosts of plant pests 96
Phaseolus vulgaris, hosts of plant pests 96
Empetrum, pastures, population dynamics 488
Empetrum hermaphroditum
Pinus sylvestris
allelopathy 3395
growth rate 3395
plant competition 3395
Sweden 3395
Enchylaena tomentosa
Eremophila, Australia 1207
Hakea preissii, Australia 1207
Senna, Australia 1207
weed control
damage 1207
plant communities 1207
Endives (*Cichorium endivia*)
algae
biological control 862
chemical control 862
as weeds
barley, surveys 3954
chickpeas, surveys 3954
ecology
soil types 3954
surveys 3954
faba beans, surveys 3954
lentils, surveys 3954
maize, surveys 3954
wheat, surveys 3954
weeds
biological control 862
chemical control 862
Endothal
application date, groundnuts 2502
application rates, groundnuts 2502
damage, groundnuts 2502
formulations 2502
nontarget effects, fishes 4055
residues
sediment 4055

Endothal *cont.*
residues *cont.*
soil 4055
water 4055
soil, sorption 4055
toxicity, fishes 4055
yields, groundnuts 2502
Engelmann spruce (*see Picea engelmannii*)
Epifagus, biology, genomes 1683
Epilobium
amenity and recreation areas, surveys 1407
biology, life cycle 498
canal banks, surveys 1407
ditch banks, surveys 1407
ecology, habitats 1407
fallow
occurrence 498
surveys 498
grasslands, surveys 1407
maize, surveys 1407
rice, surveys 1407
rivers, surveys 1407
roadsides, surveys 1407
streams, surveys 1407
swamps, surveys 1407
vegetables, surveys 1407
walls, surveys 1407
waste land, surveys 1407
wheat, surveys 1407
Epilobium adenocaulon (*see Epilobium ciliatum*)
Epilobium angustifolium (*see Chamerion angustifolium*)
control, biological control 4224
Epilobium ciliatum
herbicides, resistance 2219
rye
allelopathy 2219
growth rate 2219
seed germination 2219
EPTC
application
adjuvants 3228
environmental impact 1959
application date, maize 2431, 3707
application methods
maize 3775
soyabeans 2849
application rates
maize 2431, 3265
soyabeans 3265
wheat 3265
bioassays
oats 1910
rape 1547
chemistry, chemical properties 1959
control
Abutilon theophrasti, maize 2431
Amaranthus, sour oranges 2058
aquatic weeds, rice 2028
Capsella bursa-pastoris, sour oranges 2058
Chenopodium album, maize 2431
Convolvulus arvensis, sour oranges 2058
Cynodon dactylon, sour oranges 2058
Cyperus esculentus, Phaseolus vulgaris 2849
Cyperus rotundus
maize 2426-2427
sour oranges 2058
Digitaria ciliaris, sour oranges 2058
Digitaria sanguinalis, maize 2426
Echinochloa crus-galli
maize 2426
rice 2028
sour oranges 2058
Mollugo verticillata, Phaseolus vulgaris 2849
Portulaca oleracea
maize 2426
sour oranges 2058
Richardia scabra, Phaseolus vulgaris 2849
Setaria faberi, maize 2431
Setaria viridis
maize 3269
Phaseolus vulgaris 310
sour oranges 2058
Solanum nigrum, sour oranges 2058

EPTC *cont.*
control *cont.*
Sorghum halepense, maize 3270
weeds
Limnanthes alba 4234
lucerne 3306
maize 2427, 3265, 3707, 3775
Miscanthus sinensis 2099
Phaseolus vulgaris 310
rice 2028
soyabeans 3265
sugarbeet 1653, 1656, 1968, 2077
sweet potatoes 2863
wheat 3265
cytochrome P-450, maize 651
damage
Limnanthes alba 4234
maize 651, 2427
Miscanthus sinensis 2099
Phaseolus vulgaris 310
degradation
maize 651
peas 1944
potatoes 1944
economics
lucerne 3306
Phaseolus vulgaris 310
embryo culture, rape 1547
energy relations
maize 3265
soyabeans 3265
wheat 3265
enzymes, rape 1547
fatty acids
peas 1944
potatoes 1944
rape 1547
formulations
controlled release 1959
encapsulation 1959
interactions
adjuvants 3228
fertilizers 2431, 3775
herbicides 3775
nematicides 2849
safeners 3269-3270, 3707, 4579
legislation, Poland 2401
lipids
peas 1944
potatoes 1944
rape 1547
metabolism
maize 4579
rape 1547
plant height, sour oranges 2058
population density, lucerne 3306
properties, solubility 1959
quality, lucerne 3306
registration, Poland 2401
residues
lakes 582
soil 582, 1910, 3173, 4519-4520, 4929
water 582
safeners, maize 651, 3269-3270, 3707, 4579
seed germination, sour oranges 2058
soil
bacteria 4519-4520, 4929
biodegradation 3173, 4519-4520, 4929
microorganisms 3173
persistence 1910
runoff 582
sorption 1910
tolerance
Limnanthes alba 4234
maize 651
sweet potatoes 2863
toxicity, rats 1480
translocation, maize 4579
uptake, maize 4579
yields
lucerne 3306
maize 3265, 3270, 3775
Phaseolus vulgaris 310
rice 2028
soyabeans 2849, 3265
sugarbeet 1653, 1968, 2077
sweet potatoes 2863
wheat 3265

Equipment
application equipment, herbicides 1169, 1968
atomizers, herbicides 688-689
beaters, weed control 2390
bioreactors, herbicide residues 2303
brush cutters, weed control 816
cables, weed control 2390
chains, weed control 2390
cleaners, herbicide residues 868
cultivators, weed control 3241, 3249, 3325, 3352
dispensers
herbicides 4135
weed control 4135
experimental equipment, weed control 1969-1970
flame cultivators, weed control 3718, 3720, 4988-4989
harrows, weed control 2390, 3241, 3253, 3352, 3716, 4986, 5021
hoes, weed control 2874, 3241, 3715-3716, 5021
implements, weed control 2801
lasers
herbicides 4587
weed control 4587
nozzles, herbicides 689, 4586
ploughs, weed control 2390
ridgers, weed control 3241
rippers, weed control 2390
roguing gloves, herbicides 689
sensors
weed control 4980
weeds 4980
sprayers, herbicides 683, 689-690, 1966, 3241, 3701, 4977
weeders, weed control 2801, 3716-3717, 3807, 4988
wind protection, herbicides 683
wiper applicators
herbicides 4135
weed control 4135
Equisetum
biology
anatomy 1365
composition 2702
hybridization 2702
identification 1365
morphology 2702
phenolic compounds 2702
reproduction 830
taxonomy 1365, 2702
control
chemical control 830
cultural control 830
ecology, distribution 1365
toxicity, livestock 830
Equisetum arvense
biology
anatomy 2687
antioxidants 3248
cellulose 2687
composition 62-63, 517, 4829
development 2687
flavonoids 62
glucosides 4829
glycosides 4829
growth rate 1111, 1526
identification 830
microtubules 2687
organogenesis 1111
phenolic compounds 63
plant growth regulators 1111, 1526
plasma membranes 2687
reproduction 830
rhizomes 4829
silica 3528
spores 2687
tissue culture 1111
control
chemical control 269, 830, 1665
cultural control 269, 830
physical control 269
ecology
distribution 2671
seasonal variation 62
herbicides
application methods 1665
application rates 1665
growth rate 1526

Equisetum arvense *cont.*
herbicides *cont.*
morphogenesis 1526
regrowth 1665
toxicity, livestock 830
utilization, medicinal plants 4597
Equisetum hyemale
biology
anatomy 2258
cell walls 1419
cells 2258
cytology 1419
enzymes 1419
identification 830
microtubules 2258
morphology 1419
pits 2258
root hairs 1419
Equisetum laevigatum
Melilotus alba
distribution 951
habitats 951
population density 951
Potentilla arguta
distribution 951
habitats 951
population density 951
Solidago graminifolia
distribution 951
habitats 951
population density 951
USA 951
Equisetum palustre
biology
composition 4784
leaves 4784
light 4784
nitrogen 4784
nutrient uptake 4784
nutrients 4784
photosynthesis 4784
ecology
light 4784
nutrient uptake 4784
Netherlands 4784
Equisetum ramosissimum
biology
cytology 1713
pollen 1713
taxonomy 1713
ecology, distribution 1713
Equisetum telmateia
biology, identification 830
ecology
habitats 1793
plant communities 1793
surveys 1793
Slovakia 1793
Eragrostis cilianensis
control, chemical control 1564, 2824
sorghum
population dynamics 1795
surveys 1795
Eragrostis curvula
forests
Australia 3955
fire effects 3955
invasion 3955
population density 3955
spread 3955
roadsides
Australia 3955
fire effects 3955
invasion 3955
population density 3955
spread 3955
Eragrostis diarrhena
rice
population dynamics 3066
surveys 3066
Eragrostis ferruginea
biology
growth rate 4366
morphology 4366
ecology
plant competition 4366
trampling 4366
Japan 4366
Eragrostis minor
ecology
colonizing ability 2244
Eragrostis minor *cont.*
ecology *cont.*
dispersal 2244
distribution 2244
introduction 2244
invasion 2244
plant competition 2244
Eragrostis tef
Ailanthus altissima
allelopathy 4713
growth rate 4713
Amaranthus hybridus
fertilizers 483
growth rate 483
plant competition 483
yields 483
Galinsoga parviflora
fertilizers 483
growth rate 483
plant competition 483
yields 483
Erechtites valerianifolia, control, chemical control 1227
Eremochloa ophiuroides
Cynodon dactylon, USA 358
herbicides
application date 358
application rates 358
damage 358
growth rate 358
pecans
growth rate 4793
plant competition 4793
Eremophila
control, cultural control 1207
Enchylaena tomentosa, Australia 1207
Maireana tomentosa, Australia 1207
rangelands
Australia 1207
invasion 1207
Rhagodia eremaea, Australia 1207
Scaevola spinescens, Australia 1207
Erigeron annuus
biology, identification 1355, 3943
ecology, population density 1355
seeds, seed banks 3943
vegetables
emergence 3943
seasonal variation 3943
seed banks 3943
Erigeron bonariensis *(see Conyza bonariensis)*
Erigeron canadensis *(see Conyza canadensis)*
Erigeron linifolius
control
chemical control 4184
physical control 4184
Erigeron philadelphicus
biology, identification 3943
seeds, seed banks 3943
vegetables
emergence 3943
seasonal variation 3943
seed banks 3943
Erigeron sumatrensis
control
cultural control 4639
physical control 4639
Eriocaulon septangulare
biology, translocation 2563
ecology
mercury 2563
nutrient content 2563
nutrient uptake 2563
utilization, indicator plants 2563
Eriochloa gracilis
control, chemical control 1721
herbicides, application date 1721
USA 1721
Eriochloa villosa, control, chemical control 4625
Eriophorum
ecology
distribution 2680
population dynamics 2680
Russia 2680
Erodium
control, chemical control 1574, 2406
herbicides, surfactants 1574
Erodium cicutarium
control, chemical control 312, 5078
ecology
disturbed land 1413
establishment 1413
seeds
seed dispersal 1413
seed predation 1413
seed size 1413
Erodium moschatum
biology
identification 976
taxonomy 976
ecology, spread 976
Erucastrum gallicum
biology
development 2606
growth rate 2606
plant height 2606
ecology, plant competition 2606
Erysimum, urban areas, plant communities 2614
Erysimum cheiranthoides
barley
population density 494
surveys 494
cereals
distribution 3951
population density 3951
soil pH 3951
soil types 3951
oats
population density 494
surveys 494
vegetables
distribution 3951
population density 3951
soil pH 3951
soil types 3951
wheat
population density 494
surveys 494
Erysimum repandum
control
chemical control 2418
cultural control 2418
Eschscholzia californica
grasslands
establishment 4804
invasion 4804
reproduction 4804
USA 4804
seeds
seed germination 4804
seed production 4804
Esprocarb
chemistry, new products 3299
control, weeds, rice 3299
Essential oil plants, as weeds 225, 480, 496, 556, 831
Estuaries, Russia 1309
Ethalfluralin
chemistry, structure activity relationships 3967
control
Amaranthus retroflexus, cucumbers 3811
Capsella bursa-pastoris, cucumbers 3811
Chamomilla suaveolens, cucumbers 3811
Lamium amplexicaule, cucumbers 3811
Lamium purpureum, cucumbers 3811
Polygonum persicaria, cucumbers 3811
Senecio vulgaris, cucumbers 3811
Setaria viridis, Phaseolus vulgaris 310
Sinapis arvensis, cucumbers 3811
Solanum sarrachoides, cucumbers 3811
weeds
groundnuts 2881
Phaseolus vulgaris 310
cross resistance, *Alopecurus myosuroides* 3967
damage
flax 2475
lentils 2475
Lupinus albus 2462

Ethalfluralin *cont.*
damage *cont.*
Phaseolus vulgaris 310
degradation, *Alopecurus myosuroides* 3967
economics, *Phaseolus vulgaris* 310
interactions, herbicides 3811
population density
flax 2475
lentils 2475
quality, groundnuts 1647
resistance
Alopecurus myosuroides 3967
Lolium rigidum 2684
seed production, lentils 2475
seed weight, *Lupinus albus* 2462
tolerance
cucumbers 3811
flax 2475
lentils 2475
Lupinus albus 2462
variety trials
cucumbers 3811
groundnuts 1647
yields
cucumbers 3811
flax 2475
groundnuts 1647
lentils 2475
Lupinus albus 2462
Phaseolus vulgaris 310
Ethametsulfuron
application rates
Indian mustard 1650
Sinapis alba 1650
bioassays
carrots 1463
Chenopodium album 1463
oats 1463
Stellaria media 1463
wheat 1463
cell culture
carrots 1463
Chenopodium album 1463
oats 1463
Stellaria media 1463
wheat 1463
control
Sinapis arvensis, rape 942
weeds
Indian mustard 1650
Sinapis alba 1650
damage, rape 3236
degradation
Amaranthus retroflexus 4549
Chenopodium album 4549
rape 3236, 4549
Sinapis arvensis 4549
enzymes
Amaranthus retroflexus 4549
Chenopodium album 4549
rape 4549
Sinapis arvensis 4549
growth rate
carrots 1463
Chenopodium album 1463
Lemna minor 3436
oats 1463
rape 3236
Stellaria media 1463
wheat 1463
interactions, herbicides 1650, 3236
mode of action
Amaranthus retroflexus 4549
Chenopodium album 4549
rape 4549
Sinapis arvensis 4549
nutrient uptake
algae 3436
cyanobacteria 3436
oils
Indian mustard 1650
Sinapis alba 1650
registration, Canada 3436
residues, rape 4549
tolerance
Indian mustard 1650
rape 4549
Sinapis alba 1650
toxicity
aquatic organisms 3436
Ethametsulfuron *cont.*
toxicity *cont.*
ecosystems 3436
variety trials, rape 4549
yields
Indian mustard 1650
rape 3236
Sinapis alba 1650
Ethanolamine, copper-tri- 4308
Ethephon 444, 737, 898, 1108, 1507
Ethers, nitrobiphenyl- 4887
Ethiolate, toxicity, rats 1480
Ethiopia
weed control, *Eichhornia crassipes* 3881
weeds
cultural control 483
Eichhornia crassipes 3881
poisonous weeds 2543
surveys 2543
wheat 483
wheat 1781, 3760
Ethiozin, triazine-5-(4H)-one, 4-amino-6-tert-butyl-3-ethylthio-1,2,4- 1729
Ethofumesate
analytical methods
extraction 3564
gas chromatography 3557, 3564
HPLC 3557, 3564
liquid chromatography 3564
mass spectrometry 3564
thin layer chromatography 3557
application date, sugarbeet 793, 2310, 2887, 3828, 4684, 5098
application rates, sugarbeet 793, 2310, 2508, 2887, 4134
bioassays
Galium aparine 4235
Lamium purpureum 4235
Polygonum persicaria 4235
Solanum nigrum 4235
Stellaria media 4235
control
Abutilon theophrasti, sugarbeet 2069
Aethusa cynapium
fodder crops 726
sugarbeet 726
Amaranthus retroflexus, sugarbeet 2069, 2509, 5098
Ammi majus, sugarbeet 2069
Chenopodium, sugarbeet 2069
Chenopodium album, sugarbeet 2509, 5098
Convolvulus arvensis, sugarbeet 2069
Cuscuta campestris, sugarbeet 2069
Cynodon, Agrostis stolonifera 5124
Fallopia convolvulus, sugarbeet 1658
Galium aparine 4235
Kochia scoparia, sugarbeet 2509, 5098
Lamium purpureum 4235
Poa annua, Lolium perenne 2521
Polygonum aviculare, sugarbeet 1658, 2069, 2508
Polygonum latifolium, sugarbeet 2069
Polygonum persicaria 4235
sugarbeet 2069
potatoes, as weeds, sugarbeet 5101
Solanum nigrum 4235
sugarbeet 2069
Solanum sarrachoides, sugarbeet 2509, 5098
Stellaria media 4235
weeds
Hemarthria altissima 4196
Limnanthes alba 4234
Phaseolus 2860
sugarbeet 793, 2508, 2887-2888, 3828, 4134, 4684, 5098
damage
lawns and turf 1242
Limnanthes alba 4234
Phaseolus 2860
sugarbeet 2509
vegetables 2860
economics, sugarbeet 793, 2888
formulations, carriers 2509
interactions
herbicides 2069, 2310, 2860, 2888, 3828, 4134, 4235, 4684, 5098 5101
iron 5124
Ethofumesate *cont.*
interactions *cont.*
plant growth regulators 5124
legislation
European Communities 3557
UK 2521
quality, *Agrostis stolonifera* 5124
registration, UK 2521
residual effects
sugarbeet 4684
vegetables 2860
residues
soil 1082, 3611
water 3557, 3564
soil
degradation 3611
leaching 1082
microbial activities 3611
persistence 1082, 3611
photolysis 1082
soil water 3611
sorption 1082
temperature 3611
volatilization 1082
sprayers, sugarbeet 1658
surfactants, sugarbeet 4134
tolerance, *Limnanthes alba* 4234
yields, sugarbeet 2887
Ethylene 436, 442, 642, 646, 1107, 1110, 1115, 1287, 1499, 1708, 1919, 2765, 2768-2769, 2827, 2996-2997, 3086, 3673, 3901, 4091, 4417, 4730
Etobenzanid, legislation, UK 240
Eucalyptus
Gomphocarpus physocarpus, surveys 4843
South Africa 4360, 4694
weed control, yields 4360
weeds
plant competition 4360
population density 4694
Eucalyptus blakelyi
Amyema miquelii
Australia 2547
growth rate 2547
host parasite relationships 2547
weed control
damage 2547
growth rate 2547
Eucalyptus fastigata
herbicides
growth rate 4240
tolerance 4240
New Zealand 4240
weed control
growth rate 4240
tolerance 4240
Eucalyptus grandis
herbicides
establishment 641
mycorrhizas 640-641
Eucalyptus melliodora
Amyema miquelii
Australia 2547
growth rate 2547
host parasite relationships 2547
weed control
damage 2547
growth rate 2547
Eucalyptus nitens
Australia 3581
herbicides, aerial application 3581
Eucalyptus oleosa
Lysiana exocarpi
growth rate 1275
host parasite relationships 1275
leaves 1275
seed germination 1275
survival 1275
Eucalyptus salmonophloia, *Amyema miquelii,* host parasite relationships 4727
Eucalyptus torelliana, *Panicum maximum,* Brazil 340
Eupatorium adenophorum *(see Eupatorium trapezoideum)*
Eupatorium capillifolium
control
chemical control 1725
integrated control 1725
physical control 1725
herbicides, regrowth 1725

Eupatorium capillifolium *cont.*
USA 1725
weed control, regrowth 1725
Eupatorium glandulosum
biology
composition 3974
glucosides 3974
Eupatorium odoratum *(see Chromolaena odorata)*
Eupatorium trapezoideum
biology 3455
allelopathins 2342
composition 2342
gums 2342
control
biological control 3455
chemical control 685, 3455
physical control 3455
cucumbers
allelopathy 2342
growth rate 2342
seed germination 2342
herbicides
degradation 685
surfactants 685
temperature 685
translocation 685
uptake 685
India 3455
onions
allelopathy 2342
growth rate 2342
seed germination 2342
radishes
allelopathy 2342
growth rate 2342
seed germination 2342
Thailand 685
utilization 3455
Euphorbia
biology
composition 514
evolution 514
morphology 1353
pollen 1353
sterols 514
taxonomy 1353, 1366
terpenoids 514
control
chemical control 4604
integrated control 4604
physical control 4604
herbicides, residual effects 4604
Euphorbia brasiliensis
ecology
nutrient availability 464
nutrient content 464
plant communities 464
Euphorbia dentata
barley, occurrence 1803
biology, morphology 1803
cereals, occurrence 1803
onions
occurrence 1803
seed contamination 1803
seeds
seed germination 1803
storage 1803
Euphorbia esula
biology
α-amylase 2912
composition 2912
enzymes 2912
galls 828
phosphorylase 2912
roots 2912
starch 2912
control 3853
biological control 108, 377, 384, 566, 828, 2455, 2544, 3405, 3408, 5148
chemical control 384, 1208, 1416, 1616, 2457, 2909
cultural control 1208, 3300
integrated control 384, 1208
Datura stramonium, hosts of plant diseases 566
ecology 3853
biotypes 1416
seasonal variation 2912
spread 384
Euphorbia esula *cont.*
economics 3853
grasslands, USA 1208, 1616, 2457
herbicides
application rates 2909
cross resistance 1416
economics 2909
plant pests 384
population density 1208
resistance 1416
roots 1416
synergism 2909
hosts
bacteria 566
fungi 3405
insects 377
Italy 377
Poa pratensis, USA 2457
prairies, USA 2457
sunflowers, hosts of plant diseases 566
tobacco, hosts of plant diseases 566
tomatoes, hosts of plant diseases 566
USA 384, 2909
weed control
population density 1208
seed germination 1208
Euphorbia heterophylla
ecology, emergence 2596
garlic, hosts of plant pests 1851
groundnuts
light 4373
plant competition 4373
shading 4373
USA 4373
yields 4373
hosts
insects 1851
mites 1851
seeds
buried seeds 2596
light 2596
pH 2596
seed germination 2596
soil depth 2596
temperature 2596
water relations 2596
soyabeans
growth rate 2211
plant competition 2211
USA 2211
yields 2211
Euphorbia hirta
control
chemical control 2026, 2501, 3346, 3351, 3363, 4204
physical control 2026, 2501, 3346, 3351, 3363
herbicides, growth rate 2026
hosts, fungi 3537
Vigna radiata, hosts of plant diseases 3537
weed control, growth rate 2026
Euphorbia humistrata
Allium sphaerocephalon, USA 2896
Canna, USA 2896
control, chemical control 2896, 5109
Crocosmia crocosmiiflora, USA 2896
Hemerocallis, USA 2896
Iris germanica, USA 2896
Lilium, USA 2896
Narcissus, USA 2896
Ornithogalum umbellatum, USA 2896
Paeonia, USA 2896
Euphorbia lathyris, biology, taxonomy 1366
Euphorbia maculata
control, chemical control 2098, 5123
cotton
bolls 2206
leaf area 2206
plant competition 2206
plant height 2206
population density 2206
USA 2206
yield components 2206
yields 2206
hosts, fungi 544, 3405
Euphorbia pekinensis, control, biological control 2544
Euphorbia prostrata
control
chemical control 3292
Euphorbia prostrata *cont.*
control *cont.*
cultural control 3292
physical control 3292
rice
nutrient uptake 3292
population density 3292
yields 3292
seeds
seed banks 2167
soil depth 2167
Vigna radiata
nutrient uptake 3292
population density 3292
yields 3292
Euphorbiaceae
biology
reproduction 1796
taxonomy 1796
Capsicum, occurrence 1796
Europe
faba beans 3800
flora 3025
herbicide residues
databases 172
environmental impact 172
groundwater 4877
leaching 4877
persistence 4877
runoff 4877
surface water 4877
herbicides
application rates 317
barley 2414
benazolin 3557
bromofenoxim 3557
cereals 2414
containers 4982
databases 172
environmental impact 172
ethofumesate 3557
exposure 4997
fruit crops 317
guidelines 4603
legislation 245, 699, 2003, 2588, 4591
metam 3557
phenmedipham 3557
registration 245, 4997
risk 4997
safety 699
TCA 3557
toxicity 4997
usage 699, 3557, 4603
wheat 2414
peas 3800
rape 3800
weed control
barley 2414
cereals 2414
extension 699
fruit crops 317
integrated control 317, 4324
maize 2003
wheat 2414
weeds
biological control 4718
carbon pathways 3063
Centaurea solstitialis 106
Cirsium arvense 4352
climate 3063, 3948
Conyza bonariensis 2637
Conyza canadensis 2637
Conyza floribunda 2637
Conyza sumatrensis 2637
Cyperus 3063
distribution 3063, 3948, 4350
genetic diversity 2639
Heliotropium europaeum 4718
herbicide resistant weeds 505
Kickxia elatine 4350
Reynoutria japonica 3948
Setaria italica 2639
Setaria viridis 2639
surveys 3063
taxonomy 4350
vernalization 4352
European Communities
herbicide residues
benazolin 3557
bromofenoxim 3557

European Communities *cont.*
herbicide residues *cont.*
drinking water 135, 138, 1469, 2306, 3123, 3585, 3598
ethofumesate 3557
legislation 135, 138, 246, 1469, 3585, 3598, 3649
metam 3557
phenmedipham 3557
research 3557
TCA 3557
water 3557
herbicides
legislation 241-245, 697, 3243, 3649, 3726, 4144, 5004
marketing 3245
patents 3726
registration 243, 245, 697, 5002
weed control
biological control 3544
conferences 4757
integrated control 4324
research 3544
Reynoutria japonica 3885
weeds, conferences 4757
European larch (*see Larix decidua)*
Evolvulus alsinoides
biology
emergence 4339
flowering 4339
fruiting 4339
phenology 4339
seeds, seed dispersal 4339
Exocarpos aphyllus
Lysiana exocarpi
growth rate 1275
host parasite relationships 1275
leaves 1275
seed germination 1275
survival 1275
Faba beans (*Vicia faba*)
Amaranthus
hosts of plant diseases 93
Spain 93
Anagallis arvensis subsp. *foemina,* surveys 3954
Anchusa azurea, surveys 3954
Antirrhinum majus, surveys 3954
Avena sterilis
Morocco 4210
surveys 3954
Convolvulus althaeoides, surveys 3954
Convolvulus arvensis, surveys 3954
Cuscuta, Morocco 4208
Cuscuta planiflora, host parasite relationships 2857
Cynodon dactylon, surveys 3954
Datura
hosts of plant diseases 93
Spain 93
Echinochloa crus-galli, Poland 1563
Egypt 759
Elymus repens, Germany 2420
endives, as weeds, surveys 3954
Europe 3800
Germany 2421, 3757
herbicides
adjuvants 1563, 4125
anatomy 2965
application date 2856, 4208-4209
application rates 2856, 3741, 4125, 4208, 4210
chromosome aberrations 1474
damage 1563, 2856-2857, 4208, 4210
economics 1563, 1984
enzymes 1474
genetics 1474
morphology 2965
mutations 1474
nutrient uptake 198
plant height 2965
residues 4462
seed production 759
selectivity 3741
threonine 198
tolerance 1214, 3315, 3741
translocation 198
yield components 759
yields 759, 2856
India 3315
Lolium rigidum, surveys 3954
Faba beans *cont.*
Medicago lupulina, hosts of plant diseases 4849
Nicotiana alba
hosts of plant diseases 93
Spain 93
Orobanche
damage 2978
distribution 3458
Egypt 2957
fruiting 2957
growth rate 2957
host parasite relationships 2859, 2957, 2978, 3458
resistance 2957
yields 2957
Orobanche aegyptiaca
host parasite relationships 2948
root exudates 2948
seed germination 2948
Orobanche crenata
carbohydrates 2937
composition 2937
economics 2933
Egypt 1686, 2856, 2958
flowering 2953
growth rate 1686, 2937
host parasite relationships 1686, 2852-2853, 2855-2858, 2933, 2948, 2953, 2955, 2958-2960, 2965, 2975, 2985, 3421
necrosis 2953
penetration 2953
photosynthesis 2937
plant competition 2953
population density 2853
radiation 2937
rain 2937
resistance 1686, 2953, 2955, 2958-2960, 2985, 3421
respiration 2937
ripening 2953
root exudates 2855, 2948, 2985
roots 1686
seed banks 761
seed germination 2855, 2948, 2985
Spain 2853, 2960
Syria 2975
variety trials 2953, 2958, 2960
water relations 2937
yields 2858, 2937, 2955, 2958-2959
Orobanche foetida
host parasite relationships 2858, 2955
resistance 2955
yields 2858, 2955
Orobanche ramosa, host parasite relationships 2851
Phalaris brachystachys, surveys 3954
Poland 724, 1986, 2473, 4125, 4209, 4462, 5067
Scorpiurus muricatus, surveys 3954
Sinapis arvensis, surveys 3954
Vaccaria hispanica, surveys 3954
weed control
damage 3757
growth rate 759
plant height 759
seed production 759
yields 759, 3757
weeds
chemical control 724, 1214, 2473, 3315, 3800
control 1588
population density 1986
Fabaceae
amenity and recreation areas, plant communities 2661
biology
flowering 1356
fruiting 1356
growth rate 1412
identification 1760
morphology 1422
plant height 1412
pollen 1422
taxonomy 3061
cotton, surveys 3956
ecology
habitats 1356
introduction 1412
origin 1412
Fabaceae *cont.*
ecology *cont.*
plant communities 3061
surveys 1356, 3061
water relations 3061
herbicides
antagonism 3235
population density 3371
hops, occurrence 2226
India 1356
mountains, plant communities 2661
roads, plant communities 2661
seeds, seed size 1412
sugarbeet, surveys 3511
tea
population density 3517
surveys 3517
trails, plant communities 2661
utilization, pastures 1412
Fagopyrum cymosum
control
chemical control 4651
integrated control 4651
physical control 4651
herbicides, nutrient uptake 4651
Fagopyrum esculentum (*see* Buckwheat)
Fagopyrum tataricum
control, cultural control 1228
rape
Canada 1228
growth rate 1228
oils 1228
plant competition 1228
population density 1228
proteins 1228
quality 1228
seed production 1228
seed weight 1228
yields 1228
Fagus grandifolia
control, chemical control 800
forests, Canada 800
herbicides, application rates 800
Fagus sylvatica
Denmark 3928
weeds
plant competition 3928
regeneration 3928
Fallopia convolvulus
biology
amino acids 1006
composition 1006
nitrogen 1006
Capsicum annuum, identification 2230
cereals
distribution 3951
population density 3951
soil pH 3951
soil types 3951
control
chemical control 269, 277, 424, 1658, 1929, 2196, 2416, 2418, 2810, 4216, 4452, 4621-4622
cultural control 269, 277, 2196, 2416, 2418
integrated control 2196
physical control 269, 277, 2416, 2583
ecology
nitrogen 1006
nutrient availability 1006
fallow
population dynamics 1795
surveys 1795
Germany 1006
herbicides
application date 209, 1929, 4104
application rates 209, 424, 1929, 3605, 4104
bioassays 4452
degradation 1120, 1511
emergence 209
flowering 209
growth rate 209, 424, 1511, 1527
leaves 1527
life cycle 1527
morphology 424
population density 2416
reproduction 1527
resistance 4216
seed germination 209

Fallopia convolvulus *cont.*
herbicides *cont.*
seed production 209, 1527, 1530, 1929, 4104, 4621
seed size 1929
seed weight 1530
selectivity 1511
translocation 1120, 1511
uptake 424, 1120, 1511
hosts, insects 3605
maize, nutrient uptake 2196
oats, plant competition 4622
Phaseolus vulgaris, nutrient uptake 2196
potatoes
nutrient uptake 936
plant competition 936
yields 936
seeds, seed production 209
vegetables
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Vicia sativa, plant competition 4622
weed control, population density 2416
Fallopia japonica *(see Reynoutria japonica)*
Fallow
Aegilops cylindrica, USA 5127
Amaranthus palmeri, USA 333
Amaranthus retroflexus
plant succession 502
population dynamics 502
Ambrosia artemisiifolia
plant succession 502
population dynamics 502
Aster pilosus
plant succession 502
population dynamics 502
Australia 270
barley, as weeds, population dynamics 2243
Bromus sterilis
species diversity 967
surveys 967
Bromus tectorum
Canada 1997
USA 5127
Carduus
occurrence 498
surveys 498
Carduus acanthoides, Argentina 486
Cassia obtusifolia
plant succession 502
population dynamics 502
Centaurea cyanus
colonizing ability 496
species diversity 496
Chamomilla recutita
colonizing ability 496
species diversity 496
Chenopodium album
colonizing ability 496
occurrence 498
species diversity 496
surveys 498
Cirsium arvense
Canada 47, 2413
occurrence 498, 1783
population density 47
soil types 4809
species diversity 967
surveys 498, 967, 4809
Cnicus benedictus
plant succession 502
population dynamics 502
Conyza canadensis
plant succession 502
population dynamics 502
USA 5127
Denmark 972, 2243
Echinochloa
population dynamics 1795
surveys 1795
Elymus repens
Canada 47
Germany 1996
occurrence 498
population density 47
soil types 4809
species diversity 967
surveys 498, 967, 4809
Fallow *cont.*
Epilobium
occurrence 498
surveys 498
Fallopia convolvulus
population dynamics 1795
surveys 1795
Galium aparine
occurrence 498
species diversity 967
surveys 498, 967
Germany 496-498, 933, 1102, 2100, 4067
herbicides
adjuvants 4171
application rates 2406, 3307, 4253
damage 4253
drift 3307
establishment 1325
nutrient availability 1102
species diversity 966
Heterotheca latifolia
plant succession 502
population dynamics 502
Kochia scoparia, USA 333, 2171
Morocco 4253
Myosotis arvensis
soil types 4809
surveys 4809
Netherlands 973
Orobanche crenata
seed banks 761
Syria 2975
Oxalis pes-caprae, Morocco 4171
Panicum decompositum
population dynamics 1795
surveys 1795
Poland 1986, 5059
Polygonum aviculare
population dynamics 1795
soil types 4809
surveys 1795, 4809
Raphanus raphanistrum
occurrence 498
surveys 498
Rottboellia cochinchinensis, Costa Rica 286
Salsola iberica
migration 2603
seed dispersal 2603
seed production 2603
USA 2603
weather 2603
wind effects 2603
Solidago canadensis
plant succession 502
population dynamics 502
Sonchus arvensis
Canada 47
population density 47
Sonchus oleraceus
population dynamics 1795
surveys 1795
Sorghum halepense
plant succession 502
population dynamics 502
Stellaria media
soil types 4809
surveys 4809
Tussilago farfara, Poland 3506
UK 964, 967-968, 971, 4801
Urochloa panicoides
population dynamics 1795
surveys 1795
USA 502
Viola arvensis
colonizing ability 496
species diversity 496
weed control, economics 333
weeds
chemical control 933, 1664, 1983
control 493, 1180, 2100, 2243
development 2216
distribution 973, 2216
economics 493
nutrient uptake 2243
phenology 2216
plant communities 964, 2216
plant succession 497
population density 47, 972, 4807-4809
Fallow *cont.*
weeds *cont.*
population dynamics 493, 1795, 1983, 2243
soil types 964, 4807-4809
species diversity 47, 933, 964, 967, 973, 2216, 4807-4809
surveys 967, 973, 1795
wheat, as weeds, population dynamics 2243
Farmyards, *Eleusine indica,* Costa Rica 57
Fennel *(see Foeniculum vulgare)*
Fenoprop
analytical methods
chromatography 4576
electrophoresis 4020
extraction 112, 4010
liquid chromatography 112, 4010
application, surfactants 4576
control, *Solanum elaeagnifolium* 388
interactions, surfactants 4576
residues
cereals 112
drinking water 4010
groundwater 4010
surface water 4010
Vigna radiata 112
Fenoxaprop
acetyl-CoA carboxylase, *Eleusine indica* 4114
aerial application, sugarbeet 3238
antagonism
Avena 4545
wheat 736
application date, rice 2024, 5054
application methods, wheat 736
application rates
Digitaria ischaemum 1318
Digitaria sanguinalis 1811
rice 2024
Setaria faberi 1811
wheat 736
chemistry
degradation 4974
photolysis 4974
control
Apera spica-venti
barley 3262
triticale 3262
wheat 3262
Avena 4545
Avena fatua 4969
rape 4974
wheat 736
barley, as weeds, rape 4974
Digitaria
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
Digitaria ischaemum 1318
Festuca rubra 4248
lawns and turf 3379
Poa pratensis 3379, 4248
Digitaria sanguinalis 1811
Poa pratensis 2093
Echinochloa crus-galli
rice 2024
soyabeans 3312
Eleusine indica
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356, 2093
Zoysia 356
Galium aparine
barley 3262
triticale 3262
wheat 3262
Poaceae, sugarbeet 1654
rice, as weeds, rice 5054
Saccharum spontaneum, pineapples 2059
Setaria faberi 1811
Sorghum halepense, soyabeans 3312
Thlaspi arvense, Bromus inermis 2456

Fenoxaprop *cont.*
control *cont.*
Trifolium repens
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
weeds
barley 3262
sugarbeet 1654, 3238
triticale 3262
wheat 2814, 3262
cross resistance, *Eleusine indica* 4114
cysteine
Avena fatua 4560
barley 4560
Digitaria sanguinalis 4560
Echinochloa crus-galli 4560
oats 4560
Setaria pumila 4560
triticale 4560
wheat 4560
damage
Bromus inermis 2456
Buchloe dactyloides 1615
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
lawns and turf 3379
Poa pratensis 356, 3379
rape 4974
rice 5054
wheat 736
Zoysia 356
degradation
Avena fatua 4560
barley 4560
Digitaria sanguinalis 4560
Echinochloa crus-galli 4560
oats 4560
Setaria pumila 4560
triticale 4560
wheat 4560
deposition, *Avena fatua* 4971
enzymes
Avena fatua 4560
barley 4560
Digitaria sanguinalis 4560
Echinochloa crus-galli 4560
Eleusine indica 4114
oats 4560
Setaria pumila 4560
triticale 4560
wheat 4560
glutathione
Avena fatua 4560
barley 4560
Digitaria sanguinalis 4560
Echinochloa crus-galli 4560
oats 4560
Setaria pumila 4560
triticale 4560
wheat 4560
interactions
fertilizers 4974
herbicides 736, 1318, 3238, 3262, 3312, 3379, 4248, 4545
safeners 2814, 4560
leaves, *Avena fatua* 4971
light, *Avena fatua* 4971
mode of action, *Eleusine indica* 4114
residues
groundwater 3655
soil 1082, 3655
soil water 3655
resistance
Alopecurus myosuroides 3078
Avena fatua 4560
Digitaria sanguinalis 1811, 4560
Echinochloa crus-galli 2024, 4560
Eleusine indica 4114
Setaria faberi 1811
Setaria pumila 4560
safeners
Avena fatua 4560
barley 3262, 4560
Digitaria sanguinalis 4560
Echinochloa crus-galli 4560

Fenoxaprop *cont.*
safeners *cont.*
oats 4560
Setaria pumila 4560
triticale 3262, 4560
wheat 2814, 3262, 4560
soil
climate 3655
degradation 3655
leaching 1082, 3655
movement 3655
persistence 1082
photolysis 1082
soil water 4971
sorption 1082
volatilization 1082
soil water
Avena fatua 4971
Digitaria ischaemum 1318
temperature, *Avena fatua* 4971
tolerance
barley 4560
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
oats 4560
Poa pratensis 356
triticale 4560
wheat 736, 4560
Zoysia 356
transferases
Avena fatua 4560
barley 4560
Digitaria sanguinalis 4560
Echinochloa crus-galli 4560
oats 4560
Setaria pumila 4560
triticale 4560
wheat 4560
yields
Bromus inermis 2456
soyabeans 3312
sugarbeet 3238

Fenoxaprop-P
application, rain 4311
application date
cereals 263
Panicum schinzii 4311
rice 2024
application rates
cereals 263
rice 2024
control
Alopecurus myosuroides
barley 280
cereals 263
wheat 280
Anthemis
barley 4609
rye 4609
triticale 4609
wheat 4609
Avena
barley 280
cereals 263
wheat 280
Avena fatua 3700
barley 4609
rye 4609
triticale 4609
wheat 4609
Capsella bursa-pastoris
barley 4609
rye 4609
triticale 4609
wheat 4609
Chenopodium album
barley 4609
rye 4609
triticale 4609
wheat 4609
Echinochloa crus-galli
cucumbers 4221
rice 2024
Galium aparine
barley 4609
cereals 263, 4158
rye 4609
triticale 4609
wheat 4609

Fenoxaprop-P *cont.*
control *cont.*
Lamium
barley 4609
rye 4609
triticale 4609
wheat 4609
Lolium, cereals 263
Panicum schinzii 4311
Poaceae
barley 280
wheat 280
Polygonum
barley 4609
rye 4609
triticale 4609
wheat 4609
Stellaria media
barley 4609
rye 4609
triticale 4609
wheat 4609
Viola arvensis
barley 4609
cereals 4158
rye 4609
triticale 4609
wheat 4609
weeds, cereals 263, 4158
damage, cucumbers 4221
genetics, *Avena fatua* 4955
growth rate
barley 1932
wheat 1932
interactions
herbicides 3700, 4609
safeners 280
surfactants 3700
light
barley 1932
wheat 1932
morphology, cucumbers 4221
plant height
barley 1932
wheat 1932
resistance
Avena fatua 4955
Echinochloa crus-galli 2024
oats × *Avena fatua* 3197
safeners
barley 280
wheat 280
temperature
barley 1932
wheat 1932
tolerance
barley 280, 1932
oats × *Avena fatua* 3197
wheat 280, 1932
water stress
barley 1932
wheat 1932
yields
barley 280
cereals 4158
cucumbers 4221
wheat 280

Fens
aquatic weeds
Netherlands 3438
plant communities 3438
weeds
climate 2620
distribution 2620
plant communities 3438
surveys 2620

Fenugreek (*Trigonella foenum-graecum*)
herbicides, yields 2526
India 2526
Orobanche crenata
host parasite relationships 2855
root exudates 2855
seed germination 2855
weed control, yields 2526

Fenuron
analytical methods
chromatography 3571
electrophoresis 3571
control, weeds, *Coriandrum sativum* 295
growth rate, *Coriandrum sativum* 295

Fenuron *cont.*
residues
foods 1457
waste water 1457
toxicity, rats 3599
water
pH 1457
photolysis 1457
temperature 1457
Ferula communis, toxicity, sheep 2914-2915
Festuca
Bromus inermis
Canada 3302
fire effects 3302
invasion 3302
population dynamics 3302
Bromus tectorum, chemical control 2458
control, chemical control 4707
Digitaria ischaemum, USA 3378
herbicides
aerial application 4707
application methods 4707
application rates 3378
damage 3304
establishment 1250
yields 3304
Sonchus arvensis
plant competition 3507
population dynamics 3507
Russia 3507
UK 1250
USA 3304
Festuca altaica
Bromus inermis
Canada 3302
fire effects 3302
invasion 3302
population dynamics 3302
Symphoricarpos occidentalis, Canada 1206
Festuca arundinacea
biology
alkaloids 378
composition 378
Carduus acanthoides
Argentina 486
plant competition 486
Carduus nutans
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
Cirsium arvense
growth rate 2653
plant competition 947, 2653
USA 947, 2653
control
chemical control 1556, 2032, 3391, 4707, 4752
physical control 2032
Digitaria sanguinalis
plant competition 1241
USA 1241, 2895
Festuca arundinacea, USA 2032
herbicides
adjuvants 4752
aerial application 4707
application date 2895
application methods 2895, 4707
application rates 3377
composition 3185
damage 2895, 3194, 3377
digestibility 5062
fibre 5062
growth rate 3377
pigments 3185
plant height 3185, 3194
population density 3377
proteins 5062
seed production 3185, 3194, 5062
shoots 3377
tolerance 3377
yields 3185, 3194, 5062
hosts, fungi 378, 2032
Poa annua, invasion 3053
Poland 297
sorghum
plant competition 2032
Festuca arundinacea *cont.*
sorghum *cont.*
USA 2032
sorghum × *Sorghum sudanense*
plant competition 2032
USA 2032
soyabeans
plant competition 2032
USA 2032
toxicity, ruminants 378
Trifolium pratense, USA 2032
USA 3185, 3194, 3377, 5062
weed control, population dynamics 297
Festuca idahoensis, control, cultural control 3300
Festuca novae-zelandiae
Hieracium pilosella
growth rate 37
plant competition 37
Hieracium praealtum
growth rate 37
plant competition 37
Festuca ovina
biology
carbon pathways 508
growth rate 508
photosynthesis 508
roots 508
transpiration 508
water relations 508
Bromus tectorum, plant competition 1
control
chemical control 4246
physical control 4246
Festuca pratensis
herbicides, yields 1205
Poland 297, 300
Stellaria media, Poland 296
Taraxacum officinale, Poland 298
Urtica dioica, Poland 296
weed control
composition 300
population dynamics 297-298
yields 298, 300
Festuca rubra
Canada 2454, 2845
cherries
growth rate 778
plant competition 778
transpiration 778
yields 778
Digitaria ischaemum, USA 4248
France 5086
herbicides
application date 4248
damage 2454
residual effects 2454
yields 2454
Hieracium pilosella
growth rate 37
plant competition 37
Hieracium praealtum
growth rate 37
plant competition 37
Poland 299-300, 5059
weed control
composition 300
yields 300
Ficus gnaphalocarpa
Burkina Faso 801
weed control
damage 801
regenerative ability 801
Field beans (*see* Faba beans)
Field crops
herbicides
application date 3743
plant communities 3740
yields 3740
Russia 3740
weed control
plant communities 3740
yields 3740
weeds
chemical control 867, 1548, 3737, 3740, 3743
control 1730, 3747, 4319, 5184
occurrence 2590
physical control 3743
population dynamics 3747
Filipendula ulmaria
biology
enzymes 3045
nitrate reductase 3045
nitrogen metabolism 3045
ecology
plant competition 3045
seasonal variation 3045
forests, Sweden 3045
swamps, Sweden 3045
Fimbristylis
rice
population dynamics 3066
surveys 3066
Fimbristylis miliacea
control
biological control 1197
chemical control 1201, 4629-4630
physical control 4629-4630
ecology, biotypes 4815
herbicides, resistance 4815
rice
seasonal variation 3515
surveys 1201, 3515
Finger millet (*see Eleusine coracana)*
Finland
barley 494, 733, 1486
Crepis tectorum 4348
Deschampsia cespitosa 490
flora 2629-2630, 2666, 2678, 3912
herbicides
exposure 4139
man 4139
safety 4139
toxicity 4139
Iris pseudacorus 1286
Melampyrum pratense 4728
Melampyrum silvaticum 4728
oats 494
Pinus sylvestris 4246
Rubus arcticus 1087
turnip rape 3329
weed control, Pinopsida 5114
weeds
cereals 3951
Heracleum sphondylium 3947
vegetables 3951
wheat 494, 728, 733
Firebreaks, woody weeds, cultural control 3393
Firs (*see Abies)*
Flamprop
adjuvants
barley 2383
wheat 2383
application rates
barley 2383
wheat 2383
chemistry, electric potential 2717
control
Avena fatua
barley 2383
wheat 2383, 4162
Phalaris minor, wheat 4162
Phalaris paradoxa, wheat 4162
damage
barley 2383
wheat 2383
growth rate
barley 2383
wheat 2383
interactions, adjuvants 2383
lodging
barley 2383
wheat 2383
plant pests
cotton 1234
Ricinus communis 1234
tillers
barley 2383
wheat 2383
yields
barley 2383
wheat 2383
Flamprop-M
adjuvants
barley 2383
oats, as weeds 2382
wheat 2383
application rates
barley 2383

Flamprop-M *cont.*
application rates *cont.*
wheat 2383
bioassays, oats, as weeds 2382
control
Avena fatua
barley 2383
wheat 2383
oats, as weeds 2382
damage
barley 2383
wheat 2383
growth rate
barley 2383
wheat 2383
interactions
adjuvants 2382-2383
surfactants 2382
lodging
barley 2383
wheat 2383
surfactants, oats, as weeds 2382
tillers
barley 2383
wheat 2383
yields
barley 2383
wheat 2383
Flax (*Linum usitatissimum*)
as weeds
control
cultural control 47
physical control 47
Avena fatua, Canada 2087
barley
as weeds
bolls 3934
emergence 3934
flowering 3934
growth stages 3934
plant competition 3934
plant height 3934
population density 3934
stems 3934
UK 3934
yields 3934
Belarus 3835
Canada 277, 2475
Cirsium arvense
Canada 47
population density 47
Elymus repens
Canada 47
population density 47
herbicides
application date 3698, 3835
application rates 2087
damage 2087, 2475
desiccation 3698
fibres 4237
population density 2475
population dynamics 277
quality 3698
seed production 4237
species diversity 277
tolerance 1236, 2475, 2786, 3198
yields 2087, 2475, 4237
Orobanche
seed germination 2956
stimulants 2956
Orobanche aegyptiaca
bioassays 2964
host parasite relationships 2964
Poaceae, chemical control 2073
Poland 4237
Romania 3803
Setaria viridis, Canada 2087
Sonchus arvensis
Canada 47
population density 47
weed control
economics 1320
environmental impact 1320
population density 2475
population dynamics 277
species diversity 277
yields 2475
weeds
chemical control 3198
plant competition 3198
population density 47
Flax *cont.*
weeds *cont.*
species diversity 47
Flazasulfuron
control
Digitaria
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
Eleusine indica
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
Trifolium repens
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
damage
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
tolerance
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
Flemingia congesta, Brazil 283
Floodplains
Cyperus, distribution 2628
weeds
plant communities 2621
spatial distribution 2621
Flora
Algeria 2626
Antarctica 3025
Arctica 3025
Asia 2623, 3025
Australia, Queensland 3911
Austria 2631
Bulgaria 2632, 2667
Canada 3025, 3036
Egypt 2627-2628, 2805
Europe 3025
Finland 2629-2630, 2666, 2678, 3912
Germany 457
India
Andaman and Nicobar Islands 3475, 3913-3914
Andhra Pradesh 3476, 3482
Bihar 3485
Madhya Pradesh 3483
Manipur 4346
Orissa 3485
Rajasthan 3477
Uttar Pradesh 1358, 3481
Israel 4345
Italy 2610-2619, 2624, 2635, 2668-2669, 2679, 2688, 2904
Lithuania 4772
Mediterranean region 2623, 3025
Moldova 3915
Mongolia 2622
Nepal 3486
Poland 871
Saudi Arabia 3520
South Asia 2623, 3025
Spain 2633-2634
Sweden 2636
Switzerland 2608
Taiwan 2187-2188
Turkmenistan 3478-3480
United Arab Emirates 1364
USA 3025, 3036
Connecticut 4773
Hawaii 3040
New Hampshire 5163
Venezuela 1762
Flora *cont.*
West Africa 2625
West Asia 2623, 3025
Yugoslavia 2621, 2632, 2661, 2667
Fluazifop
acetyl-CoA carboxylase, *Eleusine indica* 4114
adjuvants
faba beans 1563, 4125
maize 4125
peas 1563, 4125
potatoes 4125
rape 4125
sugarbeet 1563, 4125
aerial application, sugarbeet 3238
antagonism 3232
application, aerial application 4979
application date
cotton 4236
potatoes 4216
soyabeans 1213
application methods, potatoes 4216
application rates
cotton 4236
Digitaria sanguinalis 1811
faba beans 4125
kenaf 1662
maize 4125
peas 4125
potatoes 4125, 4216
rape 4125
Setaria faberi 1811
sugarbeet 4125
binding sites 3232
cell membranes 3232
chemistry
degradation 4974
photolysis 4974
structure 3232
composition, tobacco 2514
control
Ageratum conyzoides
cowpeas 1212
groundnuts 1212
Phaseolus vulgaris 1212
soyabeans 1212
Amaranthus, sour oranges 2058
Avena fatua, rape 4974
barley
as weeds 4974
rape 4974
Bromus tectorum, Festuca 2458
Capsella bursa-pastoris, sour oranges 2058
Chenopodium album, potatoes 4216
Convolvulus arvensis, sour oranges 2058
Cynodon dactylon
cowpeas 1212
groundnuts 1212
jute 3363
Phaseolus vulgaris 1212
sour oranges 2058
soyabeans 1212-1213
Cyperus rotundus
jute 3363
sour oranges 2058
Digitaria asiatica, forests 2089
Digitaria ciliaris, sour oranges 2058
Digitaria sanguinalis 1811
Echinochloa colonum
jute 3363
soyabeans 1213
Echinochloa crus-galli
faba beans 1563
forests 2089
groundnuts 3355
peas 1563
potatoes 4216
sour oranges 2058
Elymus repens
forests 2089
sugarbeet 1563, 2071-2072
Euphorbia hirta, jute 3363
Fallopia convolvulus, potatoes 4216
Ipomoea, cotton 3830
Mimosa pudica
cowpeas 1212
groundnuts 1212
Phaseolus vulgaris 1212
soyabeans 1212

Fluazifop *cont.*
control *cont.*
Poaceae
chickpeas 4648
kenaf 1662
lentils 4648
Portulaca oleracea, sour oranges 2058
Saccharum spontaneum, pineapples 2059
Setaria barbata
cowpeas 1212
groundnuts 1212
Phaseolus vulgaris 1212
soyabeans 1212
Setaria faberi 1811
Setaria viridis, sour oranges 2058
Solanum nigrum, sour oranges 2058
Sorghum halepense
cotton 4236
tobacco 2514
Trianthema portulacastrum, groundnuts 3355
Viola arvensis, potatoes 4216
weeds
Amaranthus 4604
aubergines 3332
beetroots 4604
cabbages 4604
Capsicum 3332
cauliflowers 4604
cherries 1221
chickpeas 4648
coffee 1232
cotton 3830
cowpeas 1212
faba beans 4125
flax 4237
groundnuts 1212, 2762, 3354, 3356
Hemarthria altissima 4196
jute 2088
lentils 4648
Lolium perenne 4195
maize 4125
okras 4604
onions 3332
peas 4125, 4604
Phaseolus 4604
Phaseolus vulgaris 1212
pigeon peas 765, 2042, 2762
potatoes 4125
radishes 4604
rape 4125
soyabeans 1212-1213, 2848
sugarbeet 1656, 2077, 3238, 4125
sunflowers 2762
tomatoes 3332, 3338, 4604
Trifolium repens 4195
Vigna radiata 765
cross resistance, *Eleusine indica* 4114
damage
coffee 1232
cowpeas 1212
faba beans 1563
groundnuts 1212
Hemarthria altissima 4196
kenaf 1662
peas 1563
Phaseolus vulgaris 1212
pineapples 2059
rape 3236, 4974
soyabeans 1212-1213
sugarbeet 1563
degradation, rape 3236
economics
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
faba beans 1563
jute 2088
okras 4604
peas 1563, 4604
Phaseolus 4604
radishes 4604
sugarbeet 1563
tomatoes 4604
enzymes, *Eleusine indica* 4114
fibres, flax 4237
fruits, pineapples 2059

Fluazifop *cont.*
growth rate
rape 3236
tobacco 2514
interactions
adjuvants 1563, 4125
fertilizers 4974
herbicides 3232, 3236, 3238, 4648, 5107
lipids, *Eleusine indica* 4114
mode of action 3232
Eleusine indica 4114
nutrient uptake, groundnuts 3356
plant height
kenaf 1662
sour oranges 2058
plant pests
cotton 1234
Ricinus communis 1234
turnip rape 3329
population density, kenaf 1662
population dynamics
Agrostis capillaris 4195
Cynosurus cristatus 4195
Dactylis glomerata 4195
Holcus lanatus 4195
Phleum pratense 4195
quality, sugarbeet 2072
registration, USA 1662
residual effects
Acanthospermum hispidum 4604
Cynodon dactylon 4604
Cyperus iria 4604
Cyperus rotundus 4604
Euphorbia 4604
Lagascea mollis 4604
Mollugo pentaphylla 4604
Portulaca oleracea 4604
residues
atmosphere 3579
pineapples 2059
rain 3579
soil 635, 2762, 4604
resistance
Digitaria sanguinalis 1811
Eleusine indica 4114
Setaria faberi 1811
seed germination, sour oranges 2058
seed production, flax 4237
soil
microbial degradation 635
microorganisms 635, 2762
persistence 4604
respiration 2762
soil water, soyabeans 2848
surfactants, soyabeans 1213
toxicity
Nematoda 3329
rats 603
yields
Amaranthus 4604
aubergines 3332
beetroots 4604
cabbages 4604
Capsicum 3332
cauliflowers 4604
cherries 1221
chickpeas 4648
coffee 1232
cotton 3830, 4236
cowpeas 1212
flax 4237
groundnuts 1212, 3354-3355
jute 2088, 3363
kenaf 1662
lentils 4648
okras 4604
onions 3332
peas 4604
Phaseolus 4604
Phaseolus vulgaris 1212
pigeon peas 765, 2042
potatoes 4216
radishes 4604
rape 3236
soyabeans 1212-1213
sugarbeet 2072, 2077, 3238
tobacco 2514
tomatoes 3332, 4604
Vigna radiata 765

Fluazifop-P
acetyl-CoA carboxylase, *Digitaria sanguinalis* 4584
antagonism
Digitaria sanguinalis 233, 4584
Sorghum halepense 233
application, disposal 868
application date
Brachiaria platyphylla 4582
Digitaria ciliaris 4582
Digitaria sanguinalis 233, 4582, 4584
Echinochloa crus-galli 1721
Eleusine indica 4582
Eriochloa gracilis 1721
Panicum texanum 4582
potatoes 313
Sorghum halepense 233, 1721, 4582
sugarbeet 793
application methods, potatoes 313
application rates
Digitaria sanguinalis 233, 4584
faba beans 4210
flax 2087
potatoes 313
Sorghum halepense 233
soyabeans 4473
sugarbeet 793
cell suspensions, soyabeans 1128
control
Anagallis arvensis, Indian mustard 4233
Anthemis arvensis, Oenothera biennis 4680
Apera spica-venti, Oenothera biennis 4680
Avena fatua, flax 2087
Avena sterilis, faba beans 4210
Brachiaria platyphylla 4582
cotton 5108
Chenopodium album, Indian mustard 4233
chicory, as weeds, Indian mustard 4233
Cynodon dactylon, Indian mustard 4233
Cyperus rotundus, Indian mustard 4233
Digitaria ciliaris 4582
Indian mustard 4233
Digitaria sanguinalis 233, 4582
cotton 5108
Echinochloa crus-galli 1721
cotton 5108
soyabeans 3312
Eleusine indica 4582
cotton 5108
Eriochloa gracilis 1721
Medicago polymorpha, Indian mustard 4233
Melilotus alba, Indian mustard 4233
Myosotis arvensis, Oenothera biennis 4680
Panicum texanum 4582
Paspalum distichum, Indian mustard 4233
Phalaris minor, Indian mustard 4233
Poa annua, Oenothera biennis 4680
Poaceae, *Trifolium subterraneum* 1209
Portulaca oleracea, Indian mustard 4233
Rumex dentatus, Indian mustard 4233
Setaria viridis, flax 2087
Sorghum halepense 233, 1721, 4582
cotton 5108
soyabeans 3312
Spergula arvensis, Indian mustard 4233
Trifolium fragiferum, Indian mustard 4233
Veronica dillenii, Oenothera biennis 4680
Viola arvensis, Oenothera biennis 4680
weeds
Indian mustard 4233
Oenothera biennis 4680
Phaseolus 2860
potatoes 313
sugarbeet 793
cross resistance, *Lolium rigidum* 2253

Fluazifop-P *cont.*
damage
faba beans 4210
flax 2087
Lupinus albus 2462
rape 3236
vegetables 2860
degradation
Digitaria sanguinalis 4584
rape 3236
soyabeans 4473
economics, sugarbeet 793
enzymes, *Digitaria sanguinalis* 4584
establishment
Festuca 1250
Poaceae 1250
wild flowers 1250
growth rate
rape 3236
soyabeans 1128
interactions, herbicides 233, 1209, 2860, 3236, 3312, 4582, 4584, 4680, 5108
mode of action 313
population density, *Avena sterilis* 4210
residual effects, vegetables 2860
residues
soil 4473
soyabeans 4473
waste water 868
water 868
resistance
Eleusine indica 4114
Lolium rigidum 2253
Sorghum halepense 4409
seed weight, *Lupinus albus* 2462
soil, leaching 4473
tolerance
Lupinus albus 2462
soyabeans 1128
translocation
Digitaria sanguinalis 4584
soyabeans 4473
uptake, *Digitaria sanguinalis* 4584
yields
flax 2087
Indian mustard 4233
Lupinus albus 2462
Oenothera biennis 4680
rape 3236
soyabeans 3312

Fluchloralin
application date
Indian mustard 5093
rice 4630
sunflowers 2061
application rates
Indian mustard 5093
rice 4630
composition, wheat 2818
control
Ageratum conyzoides
potatoes 4650
rice 4184
soyabeans 4205
Amaranthus, Gladiolus 3382
Amaranthus powellii, sunflowers 2061
Ambrosia artemisiifolia
potatoes 4651
sunflowers 2061
Anagallis arvensis
chickpeas 764
Indian mustard 4233
potatoes 4650
Celosia argentea, soyabeans 4204-4205
Chenopodium album
chickpeas 764
Gladiolus 3382
Indian mustard 4233
potatoes 4650
Chenopodium ambrosioides, rice 4184
chicory, as weeds, Indian mustard 4233
Commelina benghalensis
sesame 3821
sorghum 3278
soyabeans 4204
Commelina obliqua, Gladiolus 3382
Cosmos bipinnatus, potatoes 4651

Fluchloralin *cont.*
control *cont.*
Cynodon dactylon
Gladiolus 3382
Indian mustard 4233
jute 3363
potatoes 4650-4651
sesame 3821
soyabeans 4204
Cyperus iria, rice 4184, 4630
Cyperus rotundus
Indian mustard 4233
jute 3363
potatoes 4650-4651
rice 4184
sesame 3821
sorghum 3278
Dactyloctenium aegyptium, sorghum 3278
Digera arvensis
sesame 3821
sorghum 3278
Digitaria ciliaris, Indian mustard 4233
Digitaria cruciata, potatoes 4651
Echinochloa
rice 4630
sesame 3821
soyabeans 4204-4205
Echinochloa colonum
jute 3363
potatoes 4651
rice 4184
sorghum 3278
Echinochloa crus-galli
groundnuts 3355
sunflowers 2061
Eclipta alba, soyabeans 4204
Eleusine indica, sorghum 3278
Erigeron linifolius, rice 4184
Euphorbia hirta
jute 3363
soyabeans 4204
Fagopyrum cymosum, potatoes 4651
Fimbristylis miliacea, rice 4630
Fumaria parviflora, potatoes 4650
Galinsoga parviflora, Gladiolus 3382
Geranium nepalense, potatoes 4651
Gnaphalium indicum, potatoes 4650
Gnaphalium luteo-album, potatoes 4651
Imperata cylindrica, rice 4184
Medicago polymorpha, Indian mustard 4233
Melilotus alba
Indian mustard 4233
potatoes 4650
Monochoria vaginalis, rice 4630
Oxalis corniculata, potatoes 4650
Oxalis latifolia, Gladiolus 3382
Panicum, soyabeans 4205
Paspalum distichum, Indian mustard 4233
Pennisetum flaccidum, Gladiolus 3382
Phalaris minor
chickpeas 764
Indian mustard 4233
Phyllanthus niruri
sesame 3821
sorghum 3278
Physalis minima, sesame 3821
Plantago major, rice 4184
Portulaca oleracea
Indian mustard 4233
sorghum 3278
Pteridium, Gladiolus 3382
Rumex dentatus
chickpeas 764
Indian mustard 4233
Rumex maritimus, Gladiolus 3382
Saccharum spontaneum, soyabeans 4204
Scirpus, rice 4630
Solanum nigrum, potatoes 4650
Spergula arvensis
Indian mustard 4233
potatoes 4651
rice 4184
Stellaria media, Gladiolus 3382

Fluchloralin *cont.*
control *cont.*
Trianthema portulacastrum
groundnuts 3355
sorghum 3278
Trifolium fragiferum, Indian mustard 4233
Vicia sativa, chickpeas 764
weeds
Amaranthus 4604
aubergines 773
beetroots 4604
cabbages 4604
Capsicum annuum 774
cauliflowers 4604
fenugreek 2526
garlic 2049
groundnuts 2064, 2762, 3354, 3356, 5092
Indian mustard 3358, 4233, 5093
jute 2088
okras 4604
peas 2474, 4604
Phaseolus 4604
pigeon peas 765, 2042-2044, 2762, 3320, 4213
radishes 4604
rice 747, 2017, 4184, 4630
sesame 2064, 3821
soyabeans 2467, 2850, 4204-4206, 5065
sunflowers 2061, 2762, 5090
tomatoes 4604
Vigna radiata 765, 3320
wheat 2818
damage
Indian mustard 4233
rice 2017
sorghum 3278
wheat 3278
economics
Amaranthus 4604
aubergines 773
beetroots 4604
cabbages 4604
cauliflowers 4604
jute 2088
okras 4604
peas 4604
Phaseolus 4604
potatoes 4651
radishes 4604
rice 4630
sesame 3821
soyabeans 2467, 4205
tomatoes 4604
growth rate
sunflowers 2061
Vigna radiata 653
interactions
fertilizers 3278
herbicides 2061, 2818, 4233
leaf area, *Vigna radiata* 653
nitrogen, rice 2017
nutrient availability, soyabeans 2850
nutrient uptake
Ageratum conyzoides 4650
Ambrosia artemisiifolia 4651
Anagallis arvensis 4650
Chenopodium album 4650
Cosmos bipinnatus 4651
Cynodon dactylon 4650-4651
Cyperus rotundus 4650-4651
Digitaria cruciata 4651
Echinochloa colonum 4651
Fagopyrum cymosum 4651
Fumaria parviflora 4650
Geranium nepalense 4651
Gnaphalium indicum 4650
Gnaphalium luteo-album 4651
groundnuts 3356
Melilotus alba 4650
Oxalis corniculata 4650
potatoes 4650
rice 2017, 4184
Solanum nigrum 4650
Spergula arvensis 4651
plant height
aubergines 773
sunflowers 2061
plant pests, soyabeans 5065

Fluchloralin *cont.*
proteins, wheat 2818
residual effects
Acanthospermum hispidum 4604
Cynodon dactylon 4604
Cyperus iria 4604
Cyperus rotundus 4604
Euphorbia 4604
Lagascea mollis 4604
Mollugo pentaphylla 4604
Portulaca oleracea 4604
residues
groundnuts 4029
soil 1104, 2762, 3665, 4029, 4525, 4604, 4938
seed germination, *Vigna radiata* 653
seed production, sunflowers 5090
selectivity, sunflowers 2061
soil
Actinomycetales 4938
bacteria 4525, 4938
biodegradation 3665, 4525
degradation 3665
flooding 3665
fungi 4938
microorganisms 2762
organic matter 3665
oxygen 3665
persistence 4604
respiration 2762
soil flora 1104, 4938
survival, *Vigna radiata* 653
tubers, potatoes 4650
yield components
rice 4184
Vigna radiata 653
yields
Amaranthus 4604
aubergines 773
beetroots 4604
cabbages 4604
Capsicum annuum 774
cauliflowers 4604
chickpeas 764
fenugreek 2526
garlic 2049
groundnuts 2064, 3354-3355, 5092
Indian mustard 3358, 4233
jute 2088, 3363
okras 4604
peas 2474, 4604
Phaseolus 4604
pigeon peas 765, 2042-2044, 3320, 4213
potatoes 4650-4651
radishes 4604
rice 747, 2017, 4184, 4630
sesame 2064, 3821
soyabeans 2467, 2850, 4204-4206, 5065
sunflowers 2061, 5090
tomatoes 4604
Vigna radiata 653, 765, 3320
Fluid 2423
Flumetsulam
control
Ambrosia artemisiifolia, maize 3267
Cassia occidentalis, soyabeans 5066
cross resistance, *Stellaria media* 3965
degradation
Abutilon theophrasti 1120
Amaranthus retroflexus 1120
Chenopodium album 1120
Fallopia convolvulus 1120
maize 1120
rice 1120
Setaria faberi 1120
soyabeans 1120
Viola arvensis 1120
wheat 1120
Xanthium pensylvanicum 1120
enzymes 1120
Sonchus oleraceus 4556
Stellaria media 3965
genetics, *Sonchus oleraceus* 4556
interactions, soil amendments 3646
legislation, UK 240
mode of action, *Stellaria media* 3965
residues, soil 3646
resistance
Sisymbrium orientale 4410
Flumetsulam *cont.*
resistance *cont.*
Sonchus oleraceus 4556
Stellaria media 3965
soil
leaching 3646
movement 3646
susceptibility, *Stellaria media* 3965
translocation
Abutilon theophrasti 1120
Amaranthus retroflexus 1120
Chenopodium album 1120
Fallopia convolvulus 1120
maize 1120
rice 1120
Setaria faberi 1120
soyabeans 1120
Viola arvensis 1120
wheat 1120
Xanthium pensylvanicum 1120
uptake
Abutilon theophrasti 1120
Amaranthus retroflexus 1120
Chenopodium album 1120
Fallopia convolvulus 1120
maize 1120
rice 1120
Setaria faberi 1120
soyabeans 1120
Viola arvensis 1120
wheat 1120
Xanthium pensylvanicum 1120
yields, maize 3267
Flumiclorac
adjuvants, soyabeans 4643
application date, soyabeans 4643
control, *Abutilon theophrasti,* soyabeans 4643
interactions
adjuvants 4643
fertilizers 4643
herbicides 4643
surfactants 4643
legislation, UK 240
surfactants, soyabeans 4643
yields, soyabeans 4643
Fluometuron
analytical methods
chromatography 4461, 4576
HPLC 4461
ultraviolet spectroscopy 4461
application, surfactants 4576
application rates
cotton 1645
Ipomoea lacunosa 4753
Ipomoea turbinata 4753
Ipomoea wrightii 4753
Jacquemontia tamnifolia 4753
Pharbitis hederacea 4753
Pharbitis purpurea 4753
bolls, cotton 203
control
Amaranthus palmeri
cotton 333
fallow 333
Ipomoea lacunosa 4753
Ipomoea turbinata 4753
Ipomoea wrightii 4753
Jacquemontia tamnifolia 4753
Kochia scoparia
cotton 333
fallow 333
Pharbitis hederacea 4753
Pharbitis purpurea 4753
weeds
cotton 333, 1645, 1660, 2084-2085, 2336, 3831
fallow 333
damage
cotton 203, 1080, 1660, 5106
groundnuts 1645
Vicia villosa 1080
wheat 1080
economics, cotton 333
fibres, cotton 203
fruiting, cotton 203
interactions
herbicides 1660, 4753, 5106
insecticides 5106
surfactants 4576
Fluometuron *cont.*
quality
cotton 1645
groundnuts 1645
residual effects
cotton 1080
groundnuts 1645
Vicia villosa 1080
wheat 1080
residues, soil 1080, 1645, 1913, 2336, 2751, 4461
soil
degradation 2336, 2751
leaching 4461
microbial activities 2336
microorganisms 2336
movement 2751
organic matter 2336
persistence 1080, 1645
pH 2336
rain 1913
runoff 1913
soil structure 2336
soil types 1080
sorption 2336, 2751
toxicity
rats 1060
sheep 4048
yields
cotton 203, 333, 1080, 1645, 2084, 5106
groundnuts 1645
Fluorodifen
application date, rice 1609
control
Cyperus difformis, rice 1609
Digitaria debilis, rice 1609
Leptochloa caerulescens, rice 1609
Ludwigia, rice 1609
Sphenoclea zeylanica, rice 1609
damage, rice 1609
economics, rice 1609
yields, rice 1609
Fluoroglycofen
control
Anthemis
barley 4609
rye 4609
triticale 4609
wheat 4609
Anthemis arvensis
cereals 725
triticale 725
wheat 725
Apera spica-venti
cereals 725
triticale 725
wheat 725
Avena fatua
barley 4609
rye 4609
triticale 4609
wheat 4609
Capsella bursa-pastoris
barley 4609
cereals 725
rye 4609
triticale 725, 4609
wheat 725, 4609
Chenopodium album
barley 4609
rye 4609
triticale 4609
wheat 4609
Galium aparine
barley 4609
cereals 725, 4158
rye 4609
triticale 725, 4609
wheat 725, 4609
Lamium
barley 4609
rye 4609
triticale 4609
wheat 4609
Polygonum
barley 4609
rye 4609
triticale 4609
wheat 4609

Fluoroglycofen *cont.*
control *cont.*
Stellaria media
barley 4609
rye 4609
triticale 4609
wheat 4609
Viola arvensis
barley 4609
cereals 725, 4158
rye 4609
triticale 725, 4609
wheat 725, 4609
weeds
cereals 4158
triticale 2423
wheat 2423
interactions, herbicides 2423, 4533, 4609
residues, soil 4533
soil, fungi 4533
toxicity, fungi 4533
yields
cereals 4158
triticale 2423
wheat 2423
Fluridone
analytical methods, HPLC 3124
application rates
Capsicum annuum 207
cucumbers 207
tobacco 207
tomatoes 207
bioassays
maize 1497
wheat 1497
carbohydrates, *Hydrilla verticillata* 1311
carotenoids 1942
cyanobacteria 2792
chemistry
new products 1942
structure 1942
composition, cyanobacteria 2792
control, *Hydrilla verticillata* 1311
damage
Capsicum annuum 207
cucumbers 207
tobacco 207
tomatoes 207
enzymes, cyanobacteria 2792
growth rate
Capsicum annuum 207
cucumbers 207
potatoes 658
tobacco 207
tomatoes 207
interactions, plant growth regulators 643, 658
mutants, cyanobacteria 2792
nontarget effects, fishes 4055
palatability, *Hydrilla verticillata* 1311
phytoene, cyanobacteria 2792
pigments 1942
plant growth regulators, wheat 643
residues
sediment 4055
soil 1497, 4055
water 4055
resistance, cyanobacteria 2792
rooting, potatoes 658
soil
microbial activities 1497
persistence 1497
sorption 4055
sucrose, potatoes 658
tolerance
Capsicum annuum 207
cucumbers 207
tobacco 207
tomatoes 207
toxicity, fishes 4055
translocation, wheat 643
yield components, wheat 643
Flurochloridone
application date
apples 4662
potatoes 313, 2479
sorghum 2434
wheat 4482
application methods, potatoes 313
application rates
potatoes 313, 3805
Flurochloridone *cont.*
application rates *cont.*
sorghum 2434
carotenoids 1942
chemistry
new products 1942
structure 1942
chlorosis, potatoes 2479
control
Amaranthus retroflexus, apples 4662
Anthemis arvensis, potatoes 2221
Chenopodium album, potatoes 2221
Cirsium arvense, potatoes 2221
Echinochloa crus-galli, potatoes 2221
Elymus repens, potatoes 2221
Galinsoga parviflora, potatoes 2221
Galium aparine, potatoes 3805
Galium tricornutum, potatoes 3805
Kochia scoparia, sorghum 2434
Poaceae, potatoes 313
Polygonaceae, potatoes 2221
Setaria pumila, apples 4662
Sinapis arvensis, potatoes 2221
Stellaria media
apples 4662
potatoes 2221
weeds, apples 4662
damage
apples 4662
potatoes 1217, 2479, 3805
interactions, herbicides 4662
mode of action 313
necrosis, potatoes 2479
pigments 1942
potatoes 1217
residues, wheat 4482
seeds, wheat 4482
soil, soil types 3805
tolerance, potatoes 2479
tubers, potatoes 2479
variety trials
potatoes 2479, 3805
wheat 4482
yields, potatoes 2479, 3805
Fluroxypyr
antagonism
Lamium hybridum 3711
Stellaria media 3711
Veronica persica 3711
application, safety 2387
application date
cereals 263
wheat 4482
application rates
barley 264, 733
cereals 263-264
Lamium hybridum 3711
Stellaria media 3711
Veronica persica 3711
wheat 275, 733
control
Alopecurus myosuroides, cereals 263
Anagallis arvensis
Indian mustard 4233
wheat 735
Apera spica-venti
barley 3262
triticale 3262
wheat 3262
aquatic weeds, rice 2028
Artemisia frigida
Agropyron cristatum 1617
Bromus inermis 1617
pastures 1617
rangelands 1617
Avena, cereals 263
Avena fatua 3700
Avena sterilis subsp. *ludoviciana,* wheat 735
Chenopodium album
barley 733
Chenopodium quinoa 295
Indian mustard 4233
wheat 733, 735
chicory, as weeds, Indian mustard 4233
Cryptostegia grandiflora 2532
Cynodon dactylon, Indian mustard 4233
Cyperus rotundus, Indian mustard 4233
Fluroxypyr *cont.*
control *cont.*
Digitaria ciliaris, Indian mustard 4233
Echinochloa crus-galli, rice 2028
Eupatorium capillifolium 1725
Fumaria officinalis
barley 733
wheat 733
Galium, olives 2500
Galium aparine
barley 3262
cereals 263, 4611
triticale 3262
wheat 275, 3262
Lamium
barley 733
wheat 733
Lathyrus aphaca, wheat 735
Lavatera, olives 2500
Lolium, cereals 263
Malva, olives 2500
Matricaria
barley 733
wheat 733
Medicago polymorpha, Indian mustard 4233
Melilotus alba, Indian mustard 4233
Paspalum distichum, Indian mustard 4233
Phalaris minor, Indian mustard 4233
Portulaca oleracea, Indian mustard 4233
potatoes, as weeds, cereals 4611
Rumex dentatus, Indian mustard 4233
Sherardia, olives 2500
Solanum viarum 5178
Spergula arvensis, Indian mustard 4233
Stellaria media
barley 733
wheat 733
Trifolium fragiferum, Indian mustard 4233
Viola arvensis
barley 733
wheat 733
weeds
barley 264, 3262
cereals 263-264
Chenopodium quinoa 295
Indian mustard 4233
rice 2028
triticale 2423, 3262
wheat 2423, 3262, 3264
damage 1183
Chenopodium quinoa 295
Indian mustard 4233
oil palms 2063
degradation
Chenopodium album 1511
Cirsium arvense 1511
Convolvulus arvensis 1511
Fallopia convolvulus 1511
economics, *Cryptostegia grandiflora* 2532
formulations 2387
growth rate
Chenopodium album 1511
Cirsium arvense 1511
Convolvulus arvensis 1511
Fallopia convolvulus 1511
Lamium hybridum 3711
olives 2348
Stellaria media 3711
Veronica persica 3711
interactions
adjuvants 2387
herbicides 2423, 3262, 3711, 4233, 4611, 4940, 5178
surfactants 2387
legislation, Poland 2401
properties, physicochemical properties 2387
registration, Poland 2401
residues
soil 4939-4940
wheat 4482
seeds, wheat 4482
selectivity
Chenopodium album 1511

Fluroxypyr *cont.*
selectivity *cont.*
Cirsium arvense 1511
Convolvulus arvensis 1511
Fallopia convolvulus 1511
olives 2348
soil
enzymes 4939
fungi 4939-4940
synergism
Lamium hybridum 3711
Stellaria media 3711
Veronica persica 3711
tillering, wheat 735
translocation
Chenopodium album 1511
Cirsium arvense 1511
Convolvulus arvensis 1511
Fallopia convolvulus 1511
uptake
Chenopodium album 1511
Cirsium arvense 1511
Convolvulus arvensis 1511
Fallopia convolvulus 1511
Galium aparine 2387
variety trials, wheat 4482
yields
Agropyron cristatum 1617
barley 733
Bromus inermis 1617
Indian mustard 4233
rice 2028
triticale 2423
wheat 733, 735, 2423
Flurprimidol 2521, 3841, 5124
Flurtamone
application rates, lentils 1216
carotenoids 1942
chemistry
new products 1942
structure 1942
chlorophyll
algae 4564
cress 4564
control
Amaranthus retroflexus 1216
Chenopodium album 1216
Malva parviflora 1216
Setaria viridis 1216
Sinapis arvensis 1216
damage, lentils 1216
degradation
Cassia obtusifolia 648
groundnuts 648
light
algae 4564
cress 4564
phytoene
algae 4564
cress 4564
pigments 1942
tolerance
groundnuts 648
lentils 1216
translocation
Cassia obtusifolia 648
groundnuts 648
uptake
Cassia obtusifolia 648
groundnuts 648
yields, lentils 1216
Fodder beet (*Beta vulgaris*)
Chenopodium album, Denmark 3808
herbicides
adjuvants 2385
application methods 1998
yields 1998, 4612
Norway 3720
Russia 1998
Sinapis arvensis, Denmark 3808
Slovakia 2385
Stellaria media, Denmark 3808
sugarbeet, as weeds, occurrence 4387
Switzerland 4612
Ukraine 3707
weed control
application date 1231, 3808
application equipment 3720
labour requirements 3808
yields 3808, 4612
Fodder beet *cont.*
weeds
chemical control 4612
control 1231
Fodder crops
Acroptilon repens, Russia 3791
Ambrosia artemisiifolia, seed contamination 1751
as weeds 4-5, 30, 40, 47, 233, 248, 278, 287, 290, 325, 340, 344, 356-358, 424, 437, 449, 467, 469, 481, 498, 502, 508, 546, 646, 727, 752, 755, 764, 778, 790, 827, 858
herbicides
application date 3790
application rates 3790
establishment 2844
selectivity 2844
Ipomoea, seed contamination 1751
Sesbania, seed contamination 1751
Taiwan 102
weed control, yields 3791
weeds
chemical control 2844, 3790
composition 472
control 866, 5182
development 472
digestibility 472
hosts of plant diseases 102
occurrence 3946
seed contamination 1751
Fodder legumes
herbicides
application date 3790
application methods 3790
application rates 3790
weeds
chemical control 3790
composition 472
development 472
digestibility 472
Foeniculum vulgare
herbicides
yield components 3336
yields 3336
weed control
yield components 3336
yields 3336
weeds, chemical control 721
Fomesafen
adjuvants, soyabeans 2655, 3794
application date
Phaseolus vulgaris 309
soyabeans 1213
sugarcane 789, 1229
application methods, sugarcane 789
application rates
soyabeans 3794
sugarcane 789
control
Abutilon theophrasti, soyabeans 3794
Amaranthus, soyabeans 3794
Ambrosia artemisiifolia 860
Ambrosia trifida, soyabeans 2655
Chenopodium album, soyabeans 3794
Cynodon dactylon, soyabeans 1213
Digitaria
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
Echinochloa colonum, soyabeans 1213
Echinochloa crus-galli
groundnuts 3355
soyabeans 3312
Eleusine indica
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
potatoes, as weeds, *Phaseolus vulgaris* 309
rape, as weeds, *Phaseolus vulgaris* 309
Rottboellia cochinchinensis, sugarcane 789
Fomesafen *cont.*
control *cont.*
Sorghum halepense
soyabeans 3312
sugarcane 1229
Trianthema portulacastrum
groundnuts 3355
Vigna radiata 2045
Trifolium repens
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
weeds
Phaseolus 2860
Phaseolus vulgaris 309, 4211
soyabeans 1213, 2848, 3794
damage
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Phaseolus 2860
Poa pratensis 356
soyabeans 1213
sugarcane 789
vegetables 2860
Zoysia 356
desiccation, raspberries 204
economics, soyabeans 2655
formulations
granules 356
liquids 356
fruits, raspberries 204
interactions
adjuvants 3794
herbicides 2860, 3312, 3794
residual effects
maize 4211
vegetables 2860
residues, soil 4211
soil water, soyabeans 2848
sugars, sugarcane 1229
surfactants
raspberries 204
soyabeans 1213
tolerance
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Phaseolus vulgaris 309
Poa pratensis 356
Zoysia 356
toxicity, mice 1482
weather, raspberries 204
yields
groundnuts 3355
raspberries 204
soyabeans 1213, 3312
sugarcane 1229
Forest trees, as weeds 45, 810, 822
Forests
Acer pensylvanicum, Canada 800
Acer rubrum, plant competition 821
Acer saccharum, Canada 800
Acer spicatum, Canada 800
Albizia julibrissin, chemical control 5110
Alnus rubra, biological control 5111
Arceuthobium, yields 5157
Betula, Norway 4817
Betula alleghaniensis, Canada 800
Brazil 4710
Bromus tectorum
control 2248
plant competition 2248
Byrsonima orbignyana
biomass 4710
flooding 4710
invasion 4710
Callisthene fasciculata
biomass 4710
flooding 4710
invasion 4710
Canada 4913
Carya tomentosa, plant competition 821
Celastrus orbiculatus
colonizing ability 1253
distribution 1253

Forests *cont.*
Celastrus orbiculatus cont.
invasion 1253
plant succession 1253
population density 1253
USA 1253
Chromolaena odorata, yields 4147
Combretum laxum
biomass 4710
flooding 4710
invasion 4710
Corylus cornuta, Canada 800
Cuscuta, host parasite relationships 3892
Cynodon dactylon, chemical control 5110
Dendrophthoe falcata
host parasite relationships 837, 3419
India 837, 3419
surveys 837, 3419
Dennstaedtia punctilobula, USA 2260
Digitaria, chemical control 5110
Digitaria asiatica, Russia 2089
Echinochloa crus-galli, Russia 2089
Ehrharta calycina
Australia 3955
fire effects 3955
invasion 3955
population density 3955
spread 3955
Elymus repens, Russia 2089
Eragrostis curvula
Australia 3955
fire effects 3955
invasion 3955
population density 3955
spread 3955
Fagus grandifolia, Canada 800
Filipendula ulmaria, Sweden 3045
Fraxinus americana, Canada 800
Geranium maculatum, USA 439
Geranium sylvaticum, Sweden 439, 3045
Germany 2295
Hedychium gardnerianum, invasion 1410
herbicides
adjuvants 2378
aerial application 1081, 4978
Alces alces 4817
application date 339, 3388
application methods 339, 4241
application rates 336, 339
canopy penetration 4978
deposition 4978
drift 4978
droplet studies 4978
economics 704, 4241
environmental impact 1891, 4241
habitats 802
herbivores 4063
labelling 1973
Lepus timidus 4817
plant communities 337
population dynamics 4376
residues 1081
seed banks 4241
site preparation 704
species diversity 337, 4376
surfactants 336, 339, 2378
tolerance 661
usage 1890-1891, 2398
wildlife 4817
wind effects 4978
Imperata cylindrica, chemical control 5110
Italy 3579
Japan 4798
Kalmia angustifolia, spread 818
Lespedeza bicolor, chemical control 5110
Ligustrum japonicum, chemical control 5110
Ligustrum sinense, chemical control 5110
Liquidambar styraciflua, plant competition 821
Lonicera japonica
chemical control 5110
colonizing ability 1253
distribution 1253
invasion 1253
plant succession 1253
population density 1253
USA 1253
Lonicera tatarica
invasion 1255
Forests *cont.*
Lonicera tatarica cont.
light 1255
plant communities 1255
plant competition 1255
population density 1255
species diversity 1255
Loranthaceae
host parasite relationships 5155
nutrient content 5155
Lygodium japonicum, chemical control 5110
Melia azedarach, chemical control 5110
Mimosa bahamensis
distribution 3845
invasion 3845
occurrence 3845
Nyssa sylvatica, plant competition 821
Orobanche, host parasite relationships 3892
Ostrya virginiana, plant competition 821
Pinus
disturbed land 5129
introduction 5129
invasion 5129
Poland 4376
Polygonum perfoliatum, USA 3388
Prunus serotina, plant competition 821
Pueraria lobata, chemical control 5110
Quercus, plant competition 821
Rosa multiflora
chemical control 5110
colonizing ability 1253
distribution 1253
invasion 1253
plant succession 1253
population density 1253
USA 1253
Rubus parviflorus, USA 363
Rubus spectabilis, USA 363
Sambucus pubens, Canada 800
Sapium sebiferum, chemical control 5110
Sassafras albidum, plant competition 821
Scurrula cordifolia
host parasite relationships 3419
India 3419
surveys 3419
Scurrula pulverulenta
host parasite relationships 3419
India 3419
surveys 3419
Sorbus aucuparia, Norway 4817
Sorghum halepense, chemical control 5110
Striga, host parasite relationships 3892
Tapinanthus, host parasite relationships 3892
Ulmus, plant competition 821
USA 337, 821, 1081, 1891, 3031, 4063
Viscaceae
host parasite relationships 5155
nutrient content 5155
Viscum orientale
host parasite relationships 837
India 837
surveys 837
Vochysia divergens
biomass 4710
flooding 4710
invasion 4710
weed control
economics 3364
extension 3364
weeds
allelopathy 870, 3028
biological control 1567, 5110
chemical control 335-336, 802, 1891, 2090, 4241, 5110
control 32, 335, 338, 876, 3744, 4239, 4798, 5182
distribution 2608, 5110
disturbed land 3067
ecology 5110
fire effects 3955
flora 1358
growth rate 32
herbivores 4063
integrated control 4314, 5110
introduction 2608, 3067
invasion 487, 3955, 4798
occurrence 2619
Forests *cont.*
weeds *cont.*
origin 5110
plant communities 3067, 4798
plant competition 32
plant succession 4798
poisonous weeds 802
population density 3955
population dynamics 4376, 4798
seed banks 3031
species diversity 2608, 3955, 4376
spread 3955
utilization 5110
weather 32
Wisteria sinensis, chemical control 5110
woody weeds, physical control 816
Foxtail millet (*see Setaria italica*)
Fragaria (*see* Strawberries)
France
Abies alba, Pteridium aquilinum 4247
Anethum graveolens 5126
apples 5086
apricots 5086
barley, *Avena fatua* 4816
Carduus nutans 4767
Coriandrum sativum 5126
Dactylis glomerata 2646
Echium vulgare 1012
Elodea canadensis 1304
Elodea nuttallii 1304
Festuca rubra 5086
fruit crops 5084
grapes 5084
Convolvulus arvensis 3815
grasslands 3650
Heliotropium europaeum 1012
herbicide residues
atmosphere 1882
atrazine 4033, 4877
chlorotoluron 4033
diuron 4033
groundwater 1882
isoproturon 4033
leaching 1858
movement 1858
pendimethalin 3169
phenylurea herbicides 4033, 4877
rain 1858
river water 4033
simazine 4033, 4877
soil 1858, 3169
sorption 1858
surface water 1882
triazine herbicides 1882, 4033
water 4877
herbicides
application rates 263, 791
cereals 263
conferences 2587-2588
environmental impact 1914
fodder crops 3790
fodder legumes 3790
forests 4241
grapes 779
legislation 3318, 3770
maize 3770, 5034
peas 3318, 5070
Phaseolus vulgaris 5070
reclaimed land 1914
sugarbeet 332, 791
value added tax 1175
maize 3275
Chenopodium album 52
Polygonum persicaria 52
Solanum nigrum 52
market gardens 5084
onions 4988, 5081
parsley 5126
Picea abies, Pteridium aquilinum 4247
Populus 3836
Pseudotsuga menziesii, Pteridium aquilinum 4247
Quercus, Holcus mollis 30
rape, *Avena fatua* 4816
rivers 1289
aquatic weeds 4289
Rumex acetosella 504, 3963
Ruppia maritima 1297
sugarbeet
Aethusa cynapium 330
Galium aparine 330

France *cont.*
sunflowers 2875
Trifolium repens 5086
weed control
cereals 5020
conferences 873, 5184
container grown plants 3375
fodder crops 2844
grasslands 2844
legumes 2844
maize 5020
mechanization 5020
peas 5020
planting stock 3375
sugarbeet 332, 791
weeds 948, 4435, 4991
Alopecurus myosuroides 4802
chromosome number 3396
distribution 3069, 3396
hosts of plant pests 4841
insects 4841
nomenclature 881
Onopordum illyricum 4841
population density 3069
soil types 3069
Ulex europaeus 2101
Ulex gallii 3396
Viscum album 1680
wheat 3650
Avena fatua 4816
oats, as weeds 2215
Zannichellia 1297
Franseria
biology
chloroplasts 3035
DNA 3035
evolution 3035
morphology 3035
taxonomy 3035
Fraxinus americana
Canada 2347
control, chemical control 800
forests, Canada 800
herbicides
application rates 800
enzymes 2347
glutamate-ammonia ligase 2347
growth rate 2347
nitrate reductase 2347
nitrogen metabolism 2347
weed control
enzymes 2347
glutamate-ammonia ligase 2347
growth rate 2347
nitrate reductase 2347
nitrogen metabolism 2347
Fraxinus excelsior
Cuscuta europaea
chlorophyll 2128
flowering 2128
growth rate 2128
host parasite relationships 2128
Lithuania 2128
Fraxinus ornus
Italy 5112
weed control
economics 5112
growth rate 5112
mortality 5112
Fraxinus pennsylvanica
Canada 668
control
chemical control 4693
physical control 4693
herbicides
enzymes 668
growth rate 668
nitrate reductase 668
nitrates 668
nutrient availability 668
susceptibility 4693
USA 5122
weeds
chemical control 5122
plant competition 5122
French beans *(see Phaseolus vulgaris)*
Fruit crops
France 5084
herbicides
application rates 317
environmental impact 4882
Fruit crops *cont.*
herbicides *cont.*
residues 1049, 2724, 2728, 3128, 3139, 3567, 4867
weeds
allelopathy 3028
chemical control 428, 2868
control 1320
cultural control 428
integrated control 776, 4314
physical control 428
population dynamics 1320
Fuchsia magellanica
ecology
introduction 2674
invasion 2674
Fumaria
barley
population density 3953
seed banks 3953
surveys 3953
cereals
population density 3953
seed banks 3953
surveys 3953
seeds
seed banks 3953
viability 3953
Fumaria officinalis
barley
population density 494
surveys 494
control, chemical control 733, 4622
ecology, habitats 2669
oats
plant competition 4622
population density 494
surveys 494
Vicia sativa, plant competition 4622
wheat
population density 494
surveys 494
Fumaria parviflora
cereals, surveys 974
control
chemical control 4650
physical control 4650
herbicides, nutrient uptake 4650
Fumonisins 3016
Fungi
control
Abutilon theophrasti 1023, 2714, 3114, 3545
Acer macrophyllum 2898
Aeschynomene virginica, rice 2018
Alnus rubra, forests 5111
Carduus thoermeri 1021
Chenopodium album 4850-4851
Chondrilla juncea 453
Chromolaena odorata 2713, 3999
Cirsium arvense 567, 1444, 3097, 3545, 5060
grasslands 1443, 4441
Convolvulus arvensis 2711, 3545
Crotalaria spectabilis 1022
Cryptostegia grandiflora 369
Cuscuta, soyabeans 2018
Cuscuta australis 399
Cuscuta chinensis 399
Cuscuta maritima 399
Cytisus scoparius 4254
Datura stramonium 1022, 3221
Echinochloa, rice 3287
Echinochloa crus-galli 2714, 3114
Eichhornia crassipes 3881, 3999
Eleocharis kuroguwai, rice 3287
Euphorbia esula 2544, 3405, 3408
Euphorbia pekinensis 2544
Heliotropium europaeum 4718
Imperata cylindrica 3999
Lantana camara 4714
Launaea chevalieri 4852
Lemna paucicostata 3016, 3221
Medicago lupulina 4849
Mikania micrantha 2712, 3999
Mimosa pigra 563
Orobanche 2978
Orobanche aegyptiaca 2877
Orobanche cernua 5159
Orobanche cumana, sunflowers 2877
Orobanche mutelii, tobacco 2891
Fungi *cont.*
control *cont.*
Orobanche ramosa 2877
tobacco 2891
parasitic weeds 2919
Pteridium aquilinum 383
Ranunculus acris 4442
Raphanus raphanistrum 3034
Senecio jacobaea 382
Senecio vulgaris 382
Sesbania exaltata 565, 1022, 1445, 4440, 4443
Sida spinosa 3221
Solanum nigrum 3221
Solanum ptycanthum 1022
Sphenoclea zeylanica 4853
Striga hermonthica 395
cereals 4732
Ulex europaeus 4254
weeds 2277, 3107-3108, 3994, 5191
forests 1567
lawns and turf 1160
rice 2018, 3288
woody weeds, forests 1561
Xanthium spinosum 3115
Fusicoccin 2766, 3973
Fynbos
Acacia cyclops, South Africa 3398
Acacia saligna, South Africa 3398
Loranthaceae
host parasite relationships 5155
nutrient content 5155
Viscaceae
host parasite relationships 5155
nutrient content 5155
woody weeds
climate 5138
edaphic factors 5138
fire effects 5138
introduction 5138
invasion 5138
Gaillardia aristata
Cyperus esculentus, USA 1248
Eclipta alba, USA 1248
herbicides
application rates 2098
damage 1248, 2098
flowering 1248
tolerance 1248, 2098
Gaillardia grandiflora
USA 2409
weeds, chemical control 2409
Galaksi Top 3827
Galeopsis
barley
population density 494
surveys 494
oats
population density 494
surveys 494
wheat
population density 494
surveys 494
Galeopsis tetrahit
cereals
population density 4399
surveys 4399
control
chemical control 269
cultural control 269
physical control 269
herbicides, resistance 4399
oats
population density 4399
surveys 4399
wheat
population density 4399
surveys 4399
Galinsoga ciliata
biology, identification 3943
ecology
distribution 2224
introduction 2224
phenology 2224
gardens, distribution 2224
seeds, seed banks 3943
vegetables
emergence 3943
seasonal variation 3943
seed banks 3943

Galinsoga parviflora
biology
carbon pathways 508
growth rate 508
photosynthesis 508
roots 508
transpiration 508
water relations 508
cabbages, hosts of plant pests 96
control
chemical control 2221, 2810, 3382
physical control 2221
cucumbers, hosts of plant pests 96
ecology
distribution 2224
introduction 2224
phenology 2224
Eragrostis tef
fertilizers 483
growth rate 483
plant competition 483
yields 483
gardens, distribution 2224
garlic, hosts of plant pests 96
hosts, insects 96
onions, hosts of plant pests 96
Phaseolus vulgaris, hosts of plant pests 96
potatoes, surveys 2221
wheat
fertilizers 483
growth rate 483
plant competition 483
yields 483
Galium
amenity and recreation areas, surveys 1407
biology
chloroplasts 27
evolution 27
genetic variation 27
taxonomy 27
canal banks, surveys 1407
control, chemical control 1582, 2500
ditch banks, surveys 1407
ecology, habitats 1407
grasslands, surveys 1407
maize, surveys 1407
rice, surveys 1407
rivers, surveys 1407
roadsides, surveys 1407
streams, surveys 1407
swamps, surveys 1407
vegetables, surveys 1407
walls, surveys 1407
waste land, surveys 1407
wheat
growth stages 1781
plant succession 1781
population dynamics 1781
surveys 1407
Galium aparine
Artemisia
fire effects 3057
plant communities 3057
regrowth 3057
barley, Germany 3262
biology
composition 4544
enzymes 4544
fungicides 4544
growth rate 4544
leaves 4544
phytosterols 4544
stems 4544
cereals
Germany 3253
Poland 4158
UK 4611
control
chemical control 263, 272, 275, 315, 330, 498, 725, 2387, 2414, 2483, 2498, 3805, 4158, 4169, 4235, 4611
cultural control 42, 3465
integrated control 272
physical control 272, 3253
ecology
emergence 3465
fertilizers 3465, 4765
invasion 498, 971
Galium aparine *cont.*
ecology *cont.*
spread 967
fallow
occurrence 498
species diversity 967
surveys 498, 967
grasslands
fire effects 3057
plant communities 3057
regrowth 3057
hedges
fertilizers 969
nitrogen 969
occurrence 970
herbicides
adjuvants 225
anatomy 1924
application date 209, 4611
application rates 209
bioassays 4235
chlorophyll 225
composition 1924
cuticle 1924
deposition 4972
emergence 209
flowering 209
growth rate 209
high volume spraying 4972
leaves 225, 1924
low volume spraying 4972
seed germination 209, 4765
seed production 209
temperature 4611
uptake 225, 1924, 2387
waxes 1924
Quercus
fire effects 3057
plant communities 3057
regrowth 3057
rape
growth rate 42
plant competition 42
population density 42
yields 42
seeds
light 2165, 3465
seed dormancy 2165
seed germination 2165, 3465, 4765
seed production 209
seed size 3465
storage 2165
temperature 2165
sugarbeet
Belgium 330
France 330
Germany 330
Netherlands 330
triticale, Germany 3262
utilization, medicinal plants 4597
wheat
Germany 3262
Poland 4169
spread 968
UK 275
yields 968
Galium spurium
biology
anthraquinones 3532
composition 3532
control, chemical control 1929
herbicides
application date 209, 1929, 4104
application rates 209, 1929, 4104
emergence 209
flowering 209
growth rate 209
seed germination 209
seed production 209, 1530, 1929, 4104
seed size 1929
seed weight 1530
seeds
buried seeds 2597
moisture 2597
seed dormancy 2597
seed germination 2597
seed production 209
soil depth 2597
storage 2597
temperature 2597
Galium spurium *cont.*
seeds *cont.*
viability 2597
Galium tricorne
biology, emergence 2580
control
cultural control 2580
physical control 2580
seeds
seed germination 2580
seed predation 2580
Spain 2580
Galium tricornutum, control, chemical control 3805
Gambia
weed control
integrated control 4314
Striga 1282
Gardenia jasminoides
herbicides
cuttings 1129
damage 5123
growth rate 1129
rooting 1129
roots 1129
Gardens
Crepis bursifolia, distribution 2224
Duchesnea indica, distribution 2224
Galinsoga ciliata, distribution 2224
Galinsoga parviflora, distribution 2224
Impatiens balfourii, distribution 2224
Tussilago farfara, Poland 3519
Garlic (*Allium sativum*)
Amaranthus retroflexus, hosts of plant pests 96
Chrysanthemum, hosts of plant pests 96
Datura stramonium, hosts of plant pests 96
Echinochloa colonum, hosts of plant pests 1851
Emilia sonchifolia, hosts of plant pests 96
Euphorbia heterophylla, hosts of plant pests 1851
Galinsoga parviflora, hosts of plant pests 96
herbicides
application rates 3333
band spraying 3333
tolerance 3331
yields 2049, 3333
Hydrocotyle umbellata, hosts of plant pests 96
India 2049
Moldova 3333
Portulaca oleracea, hosts of plant pests 96
Sonchus asper, hosts of plant pests 96
Spain 2487
weed control, yields 2049
weeds
chemical control 721, 2410, 4153
control 1588
Gaultheria shallon
biology, vegetative propagation 1251
control, chemical control 1251
ecology
distribution 1251
habitats 1251
plant competition 1251
soil types 1251
spread 1251
herbicides, resistance 1251
Pinopsida, plant competition 1251
seeds, seed production 1251
Thuja plicata
Canada 5134
fertilizers 5134
growth rate 5134
leaf area index 5134
plant competition 5134
plant height 5134
Tsuga heterophylla
Canada 5134
fertilizers 5134
growth rate 5134
leaf area index 5134
plant competition 5134
plant height 5134
Geese, control, weeds, raspberries 1639

Geijera linearifolia
Lysiana exocarpi
growth rate 1275
host parasite relationships 1275
leaves 1275
seed germination 1275
survival 1275
Gelsemium sempervirens
herbicides
application rates 337
population dynamics 337
tolerance 337
Genista monspessulana, biology, identification 819
Genista tinctoria, hosts, beneficial insects 4705
Geranium, control, chemical control 2406
Geranium maculatum
biology
flowering 439
growth rate 439
reproduction 439
survival 439
vegetative propagation 439
ecology, biotypes 439
forests, USA 439
seeds
seed production 439
seed set 439
Geranium nepalense
control
chemical control 4651
integrated control 4651
physical control 4651
herbicides, nutrient uptake 4651
hosts, bacteria 2704
rice, hosts of plant diseases 2704
Geranium sibiricum
biology, antioxidants 3248
utilization
antibacterial plants 3248
antifungal plants 3248
medicinal plants 3248
Geranium sylvaticum
biology
anthocyanins 4425
composition 4425
enzymes 3045
flowering 439
flowers 4425
glycosides 4425
growth rate 439, 1378
meristems 1378
nitrate reductase 3045
nitrogen metabolism 3045
reproduction 439
survival 439
vegetative propagation 439
ecology
biotypes 439
distribution 1378
habitats 1378
light 1378
nutrient availability 1378
plant competition 1378, 3045
seasonal variation 3045
forests, Sweden 439, 3045
meadows, Sweden 439
seeds
seed production 439
seed set 439
swamps, Sweden 3045
Geraniums (*see Pelargonium)*
Germany
Achillea millefolium 1008
apples 4992
Viscum album 2548
barley 476-477, 480-481, 956, 1185, 2158, 2421
Aethusa cynapium 726
Apera spica-venti 3262
Elymus repens 2420
Galium aparine 3262
Brassica 2099
Centaurea scabiosa 549, 3539
cereals 184, 933, 1987, 3253, 3651, 3716
Apera spica-venti 262, 5019
Cirsium arvense 5019
Elymus repens 262
Galium aparine 3253
Chenopodium album 1006
Germany *cont.*
faba beans 2421, 3757
Elymus repens 2420
Fallopia convolvulus 1006
fallow 496-498, 933, 1102, 2100, 4067
Elymus repens 1996
flora 457
forests 2295
grasslands 497
Elymus repens 1996
woody weeds 5057
herbicide residues
application equipment 4030
aquifers 2300
atmosphere 1881, 3578
determination 3138
drinking water 1881, 2300, 3138-3139, 3618, 4032
environmental impact 1881
foods 3139
fruit crops 3139
fruits 4867
groundwater 139, 1881, 2300, 3138, 3563, 3663, 4032
human milk 3139
legislation 1881
photolysis 3618
precipitation 3578
rain 137
river water 2300
sewage 3563
soil 1883, 3609, 4030
statistics 3138
surface water 1881, 2300, 3563, 4032
tap water 3563
vegetables 3139, 4867
water 2300
wells 2300
herbicides
atrazine 2002, 4030
damage 1217
economics 739, 4451
expert systems 716
grapes 2497
importation 1175, 3243
legislation 1175, 2002, 3243, 4030
maize 2011
manufacture 4451
marketing 5005
politics 4451
potatoes 1217, 3323-3324
prices 1175
registration 2497
rye 739
sugarbeet 332, 1934
surveys 5005
tolerance 1934
usage 3323
value added tax 1175
hops 3165
legumes 497
maize 496, 1908, 2294, 4030, 4922
Aethusa cynapium 726
Miscanthus sinensis 2099
national parks 2295
peas, *Aethusa cynapium* 726
Phacelia 496
Phaseolus vulgaris 3616
Picea abies, Oxalis acetosella 1842
potatoes 496, 3757
Prunus serotina 5133
rape 2099, 3352
Aethusa cynapium 726
rye 476, 496, 2158, 3716, 3757
Aethusa cynapium 726
Sinapis 2099
Sinapis alba 4067
sugarbeet 137, 184, 1185
Aethusa cynapium 330, 726
Chenopodium album 2068
Galium aparine 330
Polygonum 2068
sunflowers, *Orobanche cumana* 2876
tree fruits 4660
Trifolium, Elymus repens 1996
triticale
Apera spica-venti 3262
Galium aparine 3262
weed control
cereals 3253
harrowing 3253
Germany *cont.*
weed control *cont.*
hoeing 3715
integrated control 953
maize 2002, 2011
potatoes 3323
sugarbeet 332
weeds 3909, 4435
barley 2216
cropping systems 953
expert systems 716
fallow 2216
flora 457
grasslands 2216
heathlands 2103
herbicide resistant weeds 3074
legislation 2595
Lemna turionifera 2575
oats 2216
poisonous weeds 2595
population dynamics 952-953, 2103
species diversity 952
surveys 457, 952
woodlands 2216
wheat 476, 480, 482, 956, 1185, 2421, 3669-3670, 3716, 3757, 4067
Aethusa cynapium 726
Apera spica-venti 262, 3262
Elymus repens 262, 1996, 2420
Galium aparine 3262
Ghana
weed control
erosion 3737
field crops 3737
weeds
biological control 3111
Chromolaena odorata 3111
fungi 4732
insects 4733
Striga hermonthica 4732-4733
Gherkins (*see* Cucumbers)
Gibberellins 442, 444, 889, 1108, 1112, 1277, 1298, 1332-1334, 1503, 1506, 1708, 1741, 1747, 1848, 2164, 2598, 2770, 3181, 3183, 3462, 4769, 4953, 5171
Gladiolus
Cyperus esculentus, Netherlands 950
herbicides, damage 3382
India 3382
weeds
chemical control 359
physical control 359
Glaucium corniculatum
biology
alkaloids 4830
composition 4830
Glechoma hederacea
biology
branching 4335
chlorophyll 3971
clones 4785
gas exchange 3971
growth rate 4785
identification 833
nomenclature 833
nutrient uptake 4785
nutrients 4785
photosynthesis 3971
stolons 4335
stomata 3971
translocation 4785
ecology
colonizing ability 4785
distribution 833
light 4785
nutrient availability 4785
toxicity 833
utilization
beverage crops 833
medicinal plants 833
Gleditsia triacanthos
control
chemical control 4693
physical control 4693
herbicides, susceptibility 4693
Gliricidia sepium
growth rate, yields 3837
Indonesia 3365
weed control
growth rate 3365

Gliricidia sepium *cont.*
weed control *cont.*
yields 3837
Globe artichokes (*Cynara scolymus*)
weeds, chemical control 721
Glufosinate
amino acids
carrots 1140
maize 3207
application date
bananas 4228
cereals 3753
forests 3388
grapes 3345
rights of way 3388
roadsides 3388
wheat 3753
application methods, *Trifolium repens* 2845
application rates
fallow 4253
Imperata cylindrica 2153
sugarcane 1964
cell suspensions, carrots 1140
chemistry
biosynthesis 4445
structure activity relationships 4445
synthesis 4445
control
Acacia mearnsii 1964
Echinochloa crus-galli, soyabeans 2036
Imperata cylindrica 2153
Ipomoea lacunosa, soyabeans 2036, 3796
Orobanche aegyptiaca, tomatoes 2932
Pharbitis hederacea, soyabeans 2036
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
Saccharum spontaneum, pineapples 2059
Senna obtusifolia, soyabeans 3796
Sesbania exaltata, soyabeans 2036
Setaria faberi, grapes 3345
Sida spinosa, soyabeans 2036
Solanum elaeagnifolium 388
Solanum viarum 5178
weeds 4445
bananas 4228
cereals 3753
fallow 4253
grapes 3345, 3814
sugarcane 1230
wheat 3753
damage
bananas 4228
oil palms 2063
degradation
carrots 200, 1140
lucerne 200
tobacco 200
desiccation
lucerne 4638
sunflowers 3697
economics
bananas 4228
sugarcane 1230
enzymes
carrots 1140
tomatoes 2932
establishment, *Trifolium repens* 2845
glutamate synthase, tomatoes 2932
interactions
fertilizers 4253
herbicides 5178
surfactants 1964
meristems, maize 3207
mode of action 4445
maize 3207
nontarget effects, Acari 3814
plant breeding
genetic transformation 211, 665, 2788, 2932, 3198, 3201, 4553
molecular genetics 2932
tolerance 211, 665, 2788, 2932, 3198, 3201, 3687-3688, 4553
plant pests
cotton 1234

Glufosinate *cont.*
plant pests *cont.*
grapes 3814
Ricinus communis 1234
quality
onions 652
sunflowers 3697
regrowth, pineapples 2059
residual effects, bananas 4228
residues
soil 1105, 4228, 4445, 4934
water 1105, 4445
resistance
Brassica 210
Brassica adpressa 210
Sinapis arvensis 210
seed germination, onions 652
seed production
lucerne 4638
onions 652
selectivity
maize 3201
rape 3201
soil
bacteria 1105
biodegradation 1105, 4934
enzymes 1105
microbial activities 4934
persistence 4934
surfactants
Imperata cylindrica 2153
sugarcane 1964
tissue culture, grapes 3184
tolerance
carrots 200, 1140
flax 3198
groundnuts 665
lucerne 200
maize 3201
potatoes 4553
rape 3201, 3687
tobacco 200, 4553
tomatoes 2932
wheat 211, 2788
toxicity 4445
Acari 3814
bacteria 1105
mice 4489
uptake
carrots 1140
Imperata cylindrica 2153
water
bacteria 1105
biodegradation 1105
enzymes 1105
yields
lucerne 4638
onions 652
soyabeans 2036, 3796
sugarcane 1230
sunflowers 3697
Glycine max (*see* Soyabeans)
Glyphosate
adjuvants
Cirsium arvense 4310
coffee 1961
Cyperus rotundus 3453
Elymus repens 1167, 1555
fallow 4171
forests 2378
Kochia scoparia 2384
maize 4179
oats 2384
onions 4654
Setaria pumila 4575
Solanum elaeagnifolium 388
soyabeans 4179
Typha 4575
wheat 1565, 4171, 4575
aerial application
forests 1081
wetlands 1903
air assisted sprayers, *Cynodon dactylon* 4973
Alces alces, forests 4817
alkaloids, tobacco 3689
allelopathins, soyabeans 4581
amino acids 662
carrots 1140
Cuscuta lupuliformis 3004
maize 3207

Glyphosate *cont.*
analytical methods, titration 572
antagonism, *Phaseolus vulgaris* 1558
anthocyanins, *Cuscuta lupuliformis* 3004
application
adjuvants 222, 2378
application date 1548
application methods 4038, 4120
application rates 229, 1548, 4532
canopy penetration 2378
climate 4120
disposal 868
drift 1548
droplet size 2378
droplet studies 2378
surfactants 229, 1963, 2378, 4883
application date
Aegilops cylindrica 5127
bananas 4228
Bromus tectorum 5127
cereals 3753
Conyza canadensis 5127
faba beans 2856
flax 3698
forests 3388
Hordeum jubatum 5177
maize 3268
Oxalis pes-caprae 4171
Picea glauca 805
Pinus contorta 805
Populus tremula 4947
potatoes, as weeds 4611
Pseudotsuga menziesii 2520
rights of way 3388
roadsides 3388
Rosa multiflora 4706
sorghum 2434, 3353
wheat 1472, 3753
application methods
apples 3341
Cirsium arvense 4135
Citrus 2494
grapes 2494
olives 2494
Picea abies 3839
pome fruits 2494
Pseudotsuga menziesii 810, 2520
rights of way 4703
Trifolium pratense 2846
Trifolium repens 2845
application rates
Acacia longifolia 4712
Acer pensylvanicum 800
Acer saccharum 800
Acer spicatum 800
Acroptilon repens 3023
Artemisia verlotiorum 4754
bananas 2406
Betula alleghaniensis 800
cereals 2406, 3756
cherries 3307
Cirsium arvense 1595, 4135
Citrus 2406, 2494
coffee 1961
Corylus cornuta 800
Cynodon dactylon 4973
faba beans 2856
Fagus grandifolia 800
fallow 2406, 4253
Fraxinus americana 800
grapes 2406, 2494, 3307
grasslands 5061
Hevea 4692
Imperata cylindrica 2153
lucerne 3307
maize 3265, 4179
olives 2406, 2494
onions 4654
Oxalis pes-caprae 4171
Paraserianthes lophantha 4712
peas 4098
Phragmites australis 3449
pome fruits 2494
roses 3307
Sambucus pubens 800
sorghum 2434
soyabeans 3265, 4179
sugarcane 1964
sunflowers 2406
tree fruits 2406
wheat 1472, 3265, 4620

Glyphosate *cont.*
band spraying, *Picea abies* 3839
bioassays
carrots 1463
Chenopodium album 1463
Galium aparine 4235
Lamium purpureum 4235
oats 1463
Phaseolus vulgaris 1558
Polygonum persicaria 4235
Solanum nigrum 4235
Stellaria media 1463, 4235
Vigna mungo 3453
Vigna radiata 3453
wheat 1463
birds, Pinopsida 3369
bulbs, *Oxalis pes-caprae* 4171
carbohydrates
Cyperus rotundus 3679
soyabeans 3676
carbon pathways, wheat 1144
carriers
Chromolaena odorata 4566
Cynodon dactylon 4973
Kochia scoparia 2384
oats 2384
Phaseolus vulgaris 1558
catabolism, wheat 1144
cell culture
carrots 1463
Chenopodium album 1463
lucerne 1148
oats 1463
Stellaria media 1463
wheat 1463
cell suspensions, carrots 1140
chemistry 2494
degradation 2283
hydrogen bonding 2329
structure 4038
chlorophyll
Populus alba × *P. grandidentata* 3685
soyabeans 3676
composition
Cuscuta lupuliformis 3004
Cyperus rotundus 3679
olives 2879
control
Acacia longifolia 4712
nature reserves 360
Acacia saligna, nature reserves 360
Acer macrophyllum, Pseudotsuga menziesii 2520
Acer pensylvanicum, forests 800
Acer saccharum, forests 800
Acer spicatum, forests 800
Acroptilon repens 3023
Aegilops cylindrica
fallow 5127
grasslands 5061
Ageratum conyzoides
Hevea brasiliensis 1227
oil palms 1227
potatoes 4650
Agropyron desertorum
Agropyron desertorum 2459
pastures 2459
Agrostis capillaris, Pinus sylvestris 4246
Alnus rubra, Pseudotsuga menziesii 810
Amaranthus hybridus 3389
Amaranthus palmeri, fallow 333
Amaranthus retroflexus 1570
flax 277
lentils 277
rape 277
tomatoes 4659
wheat 277
Amaranthus viridis, potatoes 3322
Ambrosia artemisiifolia 860
Anagallis arvensis, potatoes 4650
Artemisia verlotiorum 4754
wheat 4620
Asystasia gangetica
Hevea brasiliensis 1227
oil palms 1227
Avena fatua
barley 2416
rape 2416

Glyphosate *cont.*
control *cont.*
Avena fatua cont.
wheat 269, 2416
Axonopus compressus
Hevea brasiliensis 1227
oil palms 1227
Betula
forests 4817
Picea abies 3839
Betula alleghaniensis, forests 800
Borreria latifolia
Hevea brasiliensis 1227
oil palms 1227
Brachiaria platyphylla 1570
Bromus inermis 4752
Bromus tectorum 1574
fallow 5127
flax 277
grasslands 2458, 5061
lawns and turf 3842
lentils 277
rape 277
wheat 277
Calamagrostis arundinacea, Pinus sylvestris 4246
Chamerion angustifolium, Pinus sylvestris 4246
Chenopodium album 3389
Dactylis glomerata 5059
fallow 5059
Festuca rubra 5059
flax 277
lawns and turf 3842
lentils 277
Phacelia tanacetifolia 5059
Phleum pratense 5059
potatoes 4650
rape 277
Trifolium pratense 5059
wheat 277
Chenopodium parviflora
Dactylis glomerata 5059
fallow 5059
Festuca rubra 5059
Phacelia tanacetifolia 5059
Phleum pratense 5059
Trifolium pratense 5059
Cirsium arvense 1416, 1565, 1595, 4135, 4310
apples 3343
cherries 3343
fallow 2413
Clematis vitalba, Crataegus laevigata 1238
Cleome monophylla, potatoes 3322
Commelina benghalensis, potatoes 3322
Convolvulus
bananas 2406
cereals 2406
Citrus 2406
fallow 2406
grapes 2406
olives 2406
sunflowers 2406
tree fruits 2406
Convolvulus arvensis
fallow 1664
grapes 3815
guavas 3351
lawns and turf 3842
mandarins 3346
Conyza canadensis, fallow 5127
Coronilla varia, maize 3268
Corylus cornuta, forests 800
Croton lobatus, Hevea 4692
Cryptostegia grandiflora 2532
Cuscuta lupuliformis 3004
Cynodon dactylon 1556, 4973
guavas 3351
lawns and turf 3842
mandarins 3346
potatoes 4650
Cyperaceae 229
Cyperus esculentus 3389
groundnuts 4679
Cyperus rotundus 1723, 2582, 3453, 3679
guavas 3351
mandarins 3346

Glyphosate *cont.*
control *cont.*
Cyperus rotundus cont.
potatoes 3322, 4650
Dactylis glomerata 4752
Deschampsia flexuosa, Pinus sylvestris 4246
Descurainia sophia
flax 277
lentils 277
rape 277
wheat 277
Desmodium tortuosum, groundnuts 4679
Digitaria insularis, Hevea 4692
Digitaria marginata, potatoes 3322
Digitaria sanguinalis 1556
Diospyros virginiana, Pinus taeda 3371
Echinochloa, fallow 1795
Echinochloa colonum, potatoes 3322
Echinochloa crus-galli
barley 2824
Dactylis glomerata 5059
fallow 5059
Festuca rubra 5059
oats 2824
Phacelia tanacetifolia 5059
Phleum pratense 5059
soyabeans 2036
Trifolium pratense 5059
wheat 2824
Elymus repens 1158, 1161, 1167, 1555, 1565
allotments 4704
apples 3343
cherries 3343
Dactylis glomerata 5059
fallow 1664, 5059
Festuca rubra 5059
flax 3698
maize 290, 1600, 4179
paths 4704
Phacelia tanacetifolia 5059
Phleum pratense 5059
potatoes 2205
soyabeans 1600, 4179
sugarbeet 2071-2072
Trifolium pratense 5059
wheat 1186
Equisetum arvense, wheat 269
Eragrostis cilianensis
barley 2824
oats 2824
wheat 2824
Erechtites valerianifolia
Hevea brasiliensis 1227
oil palms 1227
Erodium 1574
bananas 2406
cereals 2406
Citrus 2406
fallow 2406
grapes 2406
olives 2406
sunflowers 2406
tree fruits 2406
Eupatorium capillifolium 1725
Euphorbia esula 1416
grasslands 2457
Poa pratensis 2457
prairies 2457
Euphorbia hirta
guavas 3351
mandarins 3346
Fabaceae, *Pinus taeda* 3371
Fagus grandifolia, forests 800
Fallopia convolvulus
barley 2416
fallow 1795
flax 277
lentils 277
rape 277, 2416
wheat 269, 277, 2416
Festuca arundinacea 1556, 2032, 4752
Festuca ovina, Pinus sylvestris 4246
Fraxinus americana, forests 800
Fumaria parviflora, potatoes 4650
Galeopsis tetrahit, wheat 269
Galium aparine 4235

Glyphosate *cont.*
control *cont.*
Geranium
bananas 2406
cereals 2406
Citrus 2406
fallow 2406
grapes 2406
olives 2406
sunflowers 2406
tree fruits 2406
Gnaphalium indicum, potatoes 4650
Heracleum mantegazzianum
ditch banks 3450
rivers 3450
streams 3450
Hordeum jubatum 5177
wheat 269
Imperata cylindrica 1964, 2153
Acacia mangium 3838
grasslands 3838
Ipomoea lacunosa, soyabeans 2036
Kochia scoparia
fallow 333
sorghum 2434
Lamium purpureum 4235
Launaea chevalieri 4852
Lolium multiflorum 1574
Lolium perenne 755, 1565
Prunus avium 344
Lolium rigidum 1158
lucerne, as weeds 4752
Malva 1574
bananas 2406
cereals 2406
Citrus 2406
fallow 2406
grapes 2406
olives 2406
sunflowers 2406
tree fruits 2406
Melilotus alba 1556
potatoes 4650
Mikania micrantha
Hevea brasiliensis 1227
oil palms 1227
Orobanche 2978, 2982
legumes 2854
Orobanche crenata
faba beans 2856
legumes 2854
Ottochloa nodosa
Hevea brasiliensis 1227
oil palms 1227
Oxalis corniculata, potatoes 4650
Oxalis pes-caprae
fallow 4171
wheat 4171
Oxalis stricta 3389
Panicum capillare
barley 2824
oats 2824
wheat 2824
Panicum decompositum, fallow 1795
Panicum maximum
Eucalyptus torelliana 340
maize 340
Panicum texanum, groundnuts 4679
Paraserianthes lophantha 4712
Paspalum conjugatum
Hevea brasiliensis 1227
oil palms 1227
Pennisetum clandestinum 1970
Phalaris arundinacea 4752
Pharbitis hederacea, soyabeans 2036
Phleum pratense 4752
Phragmites australis
marshes 3449
nature reserves 3449
Poa annua 1574
Poa pratensis 4752
Poaceae 229
olives 2500
Polygonum aviculare, fallow 1795
Polygonum lapathifolium, wheat 269
Polygonum pensylvanicum 1570
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
Polygonum persicaria 4235

Glyphosate *cont.*
control *cont.*
potatoes, as weeds, cereals 4611, 5101
Prunus serotina 5133
Pteridium aquilinum 3407
Pinus sylvestris 4246
Quercus nigra, Pinus taeda 3371
Ranunculus acris 861
rape, as weeds 1158
Rosa, wheat 269
Rosa multiflora 4706
Rubus
Abies balsamea 1906
Acer rubrum 1906
Betula alleghaniensis 1906
Betula papyrifera 1906
Picea rubens 1906
Tsuga canadensis 1906
Rubus argutus, Pinus taeda 3371
Rubus parviflorus
forests 363
Picea glauca 805
Pinus contorta 805
Rubus spectabilis, forests 363
Rumex obtusifolius 1565
apples 3343
cherries 3343
rye, as weeds 4659
Saccharum spontaneum, fallow 2059
Salsola iberica
flax 277
lentils 277
rape 277
wheat 277
Sambucus pubens, forests 800
Senecio vulgaris
barley 2416
rape 2416
wheat 269, 2416
Sesbania exaltata, soyabeans 2036
Setaria faberi
grapes 3345
tomatoes 4659
Sida spinosa, soyabeans 2036
Solanum elaeagnifolium 388
cotton 2086
Solanum glaucophyllum 5154
Solanum khasianum, potatoes 3322
Solanum nigrum 4235
potatoes 4650
Solanum viarum 5178
Sonchus, fallow 1664
Sonchus arvensis
apples 3343
cherries 3343
flax 277
guavas 3351
lentils 277
rape 277
wheat 277
Sonchus oleraceus, fallow 1795
Sorbus aucuparia
forests 4817
Picea abies 3839
Sorghum halepense
guavas 3351
maize 5036
mandarins 3346
Stellaria media 4235
apples 3343
cherries 3343
Stipa neesiana 4309
sunflowers
as weeds
sorghum 3353
sunflowers 2062
Taraxacum, lawns and turf 3842
Taraxacum officinale 1556, 3389
apples 3343
barley 2416
cherries 3343
flax 277
lentils 277
rape 277, 2416
wheat 269, 277, 2416
Thlaspi arvense
barley 2416
flax 277
lentils 277
rape 277, 2416

Glyphosate *cont.*
control *cont.*
Thlaspi arvense cont.
wheat 269, 277, 2416
Trifolium pratense 4752
Trifolium repens, lawns and turf 3842
Trigonella, lawns and turf 3842
Typha, wetlands 1903
Urochloa panicoides, fallow 1795
Urtica
bananas 2406
cereals 2406
Citrus 2406
fallow 2406
grapes 2406
olives 2406
sunflowers 2406
tree fruits 2406
Vaccinium, Pinus taeda 3371
Vicia villosa, maize 2430
Wedelia paludosa, Hevea 4692
weeds 222, 229, 948, 1970
Abies balsamea 1906
Acer rubrum 1906
apples 4661, 5085
aubergines 773
bananas 4228
barley 2821, 3767
Betula alleghaniensis 1906
Betula papyrifera 1906
Capsicum frutescens 1218
carrots 1548
cereals 3753, 3756
cherries 778, 1221
Citrus 2494, 4671
coffee 1961
fallow 270, 333, 968, 1664, 1795, 4253
field crops 1548
flax 3698
forests 607, 1081, 4063
grapes 2494, 3345, 3814
groundnuts 2881, 4679
hedges 959
Hemarthria altissima 4196
lawns and turf 3842
Lotus corniculatus 4203
maize 2000, 2429, 3265
Miscanthus sinensis 2099
olives 2494, 2879
onions 1548, 4654
orchards 1548
Picea abies 4698
Picea glauca 805, 4369
Picea rubens 1906
pineapples 1642
Pinopsida 3367-3370
Pinus contorta 805
Pinus elliottii 353
Pinus halepensis 5115
Pinus radiata 348
Pinus resinosa 4369
Pinus sylvestris 4246
Pinus taeda 349-350, 353, 3371
planting stock 5115
pome fruits 2494
potatoes 2481
Quercus rubra 5113
rape 2821
rye 3767
sorghum 729
soyabeans 2429, 3265
strawberries 4226
tomatoes 3338, 4659
Tsuga canadensis 1906
wheat 729-730, 3265, 3753
woody weeds
Picea abies 3839
Picea glauca 4369
Pinus resinosa 4369
rights of way 4703
cross resistance
Cirsium arvense 1416
Euphorbia esula 1416
Ranunculus acris 861
cuticle
Buxus sempervirens 2800
tomatoes 2800
damage
Agropyron desertorum 5061
apples 3341

Glyphosate *cont.*
damage *cont.*
bananas 4228
cherries 3307
Elymus hispidus subsp. *barbulatus* 5061
faba beans 2856
fallow 4253
grapes 3307
grasslands 2457, 5061
Hemarthria altissima 4196
Hevea 4692
Kochia scoparia 2384
lucerne 3307
maize 4116
Miscanthus sinensis 2099
oats 2384
oil palms 2063
onions 4654
Phaseolus vulgaris 1558
pineapples 2059
Poa pratensis 2457
prairies 2457
Pseudotsuga menziesii 810
roses 811, 3307
soyabeans 3676
Vigna mungo 3453
Vigna radiata 3453
wheat 1565
decomposition
Carduus nutans 639
Lolium perenne 639
Senecio jacobaea 639
Trifolium repens 639
degradation
Acer saccharum 4880
Alternanthera philoxeroides 3440
carrots 1140
cereals 1888
grain legumes 1888
oilseed plants 1888
peas 1888
wheat 1472, 3218
desiccation
Chromolaena odorata 4572
flax 3698
sunflowers 3678
drift
cherries 3307
grapes 3307
lucerne 3307
roses 3307
wetlands 1903
economics
aubergines 773
bananas 4228
cotton 333
Cryptostegia grandiflora 2532
grasslands 2457
maize 4179
Pinus halepensis 5115
planting stock 5115
Poa pratensis 2457
potatoes 2481
prairies 2457
Pseudotsuga menziesii 810
sorghum 729
soyabeans 4179
wheat 729-730
embryos, lucerne 1148
emergence, *Cirsium arvense* 4310
energy relations
maize 3265
soyabeans 3265
wheat 3265
environmental impact, Pinopsida 3368, 3370
enzymes
carrots 1140
lucerne 1148
maize 3218, 4106, 4116
peas 3218
rape 2932
wheat 3218
establishment
Eucalyptus grandis 641
Lotus corniculatus 4203
Rubus parviflorus 363
Rubus spectabilis 363
Trifolium pratense 2846
Trifolium repens 2845

Glyphosate *cont.*
exudates, *Chromolaena odorata* 4566
fats, olives 2879
fibres, cotton 3677
flowering, cherries 778
flowers, roses 811
fluorescence, sugarbeet 4962
formulations 360, 1161, 1556, 1574, 4038
aerosols 4704
carriers 1957, 4704
granules 222, 2406
liquids 222
fruits
apples 3341
guavas 3351
mandarins 3346
tomatoes 2800
gas exchange
maize 4116
sugarbeet 4962
glutamate-ammonia ligase
Fraxinus americana 2347
Juglans cinerea 2347
Quercus macrocarpa 2347
glutathione, wheat 3218
glutathione transferase
maize 3218
peas 3218
wheat 3218
growth, *Mikania micrantha* 3684
growth rate
algae 1077
apples 3341, 5085
carrots 1463
Chenopodium album 1463
cherries 778
Cuscuta lupuliformis 3004
Cyperus rotundus 1723, 3679
Fraxinus americana 2347
Juglans cinerea 2347
Lemna minor 3436
maize 3268, 4106, 4116
oats 1463
peas 4098
Picea abies 4698
Picea glauca 805, 4369
Pinus contorta 805
Pinus radiata 348
Pinus resinosa 4369
Pinus sylvestris 4246
Pinus taeda 349-350
Quercus macrocarpa 2347
Rubus parviflorus 363
Rubus spectabilis 363
soyabeans 3676
Stellaria media 1463
tobacco 4105
Vigna mungo 3453
Vigna radiata 3453
wheat 1463
habitats
Abies balsamea 1906
Acer rubrum 1906
Betula alleghaniensis 1906
Betula papyrifera 1906
Picea rubens 1906
Tsuga canadensis 1906
interactions
adjuvants 222, 1161, 1167, 1555, 1565, 1961, 2378, 2384, 3453, 4171, 4179, 4575, 4654
carriers 1558, 2384, 4566
copper 4528
fertilizers 3756, 4253, 5177
ferulic acid 4581
herbicides 222, 3453, 4620, 4654, 4683, 4692, 4883, 5061, 5127
ions 1558
metals 2283
minerals 2384
montmorillonite 4528
sulfur 3679
surfactants 229, 822, 1167, 1517, 1570, 1573-1574, 1903, 1963-1964, 2378, 3756, 4105, 4546, 4575, 4703
knapsack sprayers, rights of way 4703
leaf area, *Artemisia verlotiorum* 4754
leaves 2511
Buxus sempervirens 2800

Glyphosate *cont.*
leaves *cont.*
Chromolaena odorata 4566, 4572
Populus alba × *P. grandidentata* 3685
roses 811
legislation, Spain 2406
Lepus timidus, forests 4817
light
Chromolaena odorata 4566, 4572
sugarbeet 4962
low volume spraying
Pseudotsuga menziesii 810
rights of way 4703
membrane permeability, *Chenopodium album* 1517
membranes, *Chromolaena odorata* 4566
meristems, maize 3207
metabolism, *Alternanthera philoxeroides* 3440
mode of action 2494, 4038
Cuscuta lupuliformis 3004
maize 3207
molecular genetics, *Populus alba* × *P. grandidentata* 3685
morphology 2511
Cirsium arvense 2413
Pinus taeda 349
mycorrhizas, *Eucalyptus grandis* 640-641
nitrate reductase
Fraxinus americana 2347
Juglans cinerea 2347
Quercus macrocarpa 2347
nitrogen
Cyperus rotundus 3679
soyabeans 3676
nitrogen metabolism
Fraxinus americana 2347
Juglans cinerea 2347
Quercus macrocarpa 2347
nontarget effects
Acari 3814
Alces alces 4063, 4817
amphibia 3370
birds 3369
deer 3370
herbivores 4063
insects 3370
Lepus timidus 4817
mammals 3368, 3370
mice 3368
Mollusca 3367
Mustela 3368
reptiles 3370
shrews 3368
Sorex 3368
Tamias 3368
voles 3368
wildlife 4817
nutrient availability, apples 5085
nutrient uptake
Ageratum conyzoides 4650
algae 3436
Anagallis arvensis 4650
Chenopodium album 4650
cyanobacteria 3436
Cynodon dactylon 4650
Cyperus rotundus 4650
Fumaria parviflora 4650
Gnaphalium indicum 4650
Melilotus alba 4650
Oxalis corniculata 4650
potatoes 4650
Solanum nigrum 4650
oils, sunflowers 3678
phenolic compounds
lucerne 1148
tobacco 3689
phenology, *Pinus taeda* 349
photosynthesis
algae 1077
maize 4106
sugarbeet 4962
plant breeding
genetic transformation 1934, 2352, 2932, 4105
molecular genetics 2932, 4105
tolerance 662, 1934, 2352, 2932, 3688-3689, 4105-4106, 4235
plant diseases, *Elymus repens* 2774
plant disorders, roses 811

Glyphosate *cont.*
plant height
aubergines 773
cherries 344
Picea glauca 805
Pinus contorta 805
Pinus radiata 348
Pinus sylvestris 4246
Pinus taeda 349-350
plant pests
cotton 1234
grapes 3814-3815
Pinopsida 3367
Ricinus communis 1234
plasma membranes, *Chenopodium album* 1517
population density
Avena fatua 2416
Cirsium arvense 2413, 4310
Diospyros virginiana 3371
Elymus repens 1186
Fabaceae 3371
Fallopia convolvulus 2416
Oxalis pes-caprae 4171
Quercus nigra 3371
Rubus argutus 3371
Senecio vulgaris 2416
Taraxacum officinale 2416
Thlaspi arvense 2416
Vaccinium 3371
population dynamics
flax 277
lentils 277
rape 277
Rubus parviflorus 363
Rubus spectabilis 363
wheat 277
properties 2494
physical properties 1548
solubility 2319
proteins, *Cuscuta lupuliformis* 3004
quality
cotton 3677
flax 3698
guavas 3351
mandarins 3346
sugarbeet 2072
sunflowers 3678
rain
Amaranthus retroflexus 1570
Brachiaria platyphylla 1570
Elymus repens 1158
Lolium rigidum 1158
Panicum maximum 1573
Paspalum conjugatum 1573
Polygonum pensylvanicum 1570
Populus tremuloides 822
rape, as weeds 1158
registration
Canada 3436
South Africa 4712
Spain 2406
regrowth
Cirsium arvense 4310
cotton 3677
Cynodon dactylon 4973
Cyperus rotundus 3453
Populus tremula 4947
relative humidity
Elymus repens 1158
Lolium rigidum 1158
reproduction, peas 4098
residual effects
Artemisia verlotiorum 4620, 4754
bananas 4228
residues
Acer saccharum 4880
Alternanthera philoxeroides 3440
cereals 1888
forests 1081
grain legumes 1888
irrigation channels 4496
lakes 1072-1073, 1077
oilseed plants 1888
peas 1888
river water 2319, 4496
soil 182, 639, 1081, 2329, 2337, 4228, 4528-4529, 4532
waste water 868
water 868, 1072-1073, 1077, 1081, 4883

Glyphosate *cont.*
residues *cont.*
wheat 1472
resistance 2511, 3027
Alternanthera philoxeroides 3440
Cirsium arvense 1416
Euphorbia esula 1416
Ranunculus acris 861
respiration, *Alternanthera philoxeroides* 3440
retention
Setaria pumila 4575
Typha 4575
wheat 4575
rhizomes
Alternanthera philoxeroides 3440
Artemisia verlotiorum 4754
Elymus repens 1555
root exudates, *Alternanthera philoxeroides* 3440
roots
Alternanthera philoxeroides 3440
Cirsium arvense 1416
Euphorbia esula 1416
maize 3218
Oxalis pes-caprae 4171
peas 3218
wheat 1144, 3218
rope wick, aubergines 773
seed germination
Mikania micrantha 3684
Vigna mungo 3453
Vigna radiata 3453
seed moisture, wheat 1472
seeds, sunflowers 3678
shikimic acid, lucerne 1148
shoots
maize 3218
peas 3218
wheat 3218
soil
bacteria 2337, 4532
biodegradation 4930
degradation 1081
denitrification 2337
enzymes 4529
erosion 2879
humus 2329
microbial activities 639, 2337, 4532
microbial degradation 182
microorganisms 182, 639, 2337
mineralization 182
movement 1081, 2329
mycorrhizal fungi 640
mycorrhizas 640-641
nitrification 2337
nitrogen fixation 4532
respiration 4532
soil flora 2337
soil types 1144, 4529
soil water 2879
sorption 2329
species diversity
Abies balsamea 1906
Acer rubrum 1906
Betula alleghaniensis 1906
Betula papyrifera 1906
flax 277
lentils 277
Picea rubens 1906
Pinus taeda 3371
rape 277
Tsuga canadensis 1906
wheat 277
spot spraying, cotton 2086
spraying, sugarbeet 4683
sprouting, *Artemisia verlotiorum* 4754
stems, *Artemisia verlotiorum* 4754
stomata
Chromolaena odorata 4572
sugarbeet 4962
wheat 1144
stump sprays
Picea abies 3839
Pseudotsuga menziesii 810
surfactants
Amaranthus retroflexus 1570
Brachiaria platyphylla 1570
Bromus tectorum 1574
Buxus sempervirens 2800
cereals 3756

Glyphosate *cont.*
surfactants *cont.*
Chenopodium album 1517
Elymus repens 1167, 4704
Erodium 1574
forests 2378
Hordeum jubatum 5177
Imperata cylindrica 2153
Lolium multiflorum 1574
Malva 1574
Panicum maximum 1573
Paspalum conjugatum 1573
peas 4127
Poa annua 1574
Polygonum pensylvanicum 1570
Populus tremuloides 822
rights of way 4703
Setaria pumila 4575
Sinapis alba 4546
sugarcane 1964
tobacco 4105
tomatoes 2800
Typha 4575
Ulex europaeus 4255
wetlands 1903
wheat 4546, 4575
survival
Picea abies 4698
Pinus radiata 348
Pinus taeda 350
susceptibility 2511
synergism
Setaria pumila 4575
Typha 4575
wheat 4575
temperature
Chromolaena odorata 4572
Elymus repens 1555
soyabeans 3676
thiols, wheat 3218
tissue culture, tobacco 4105
tolerance
carrots 1140
Larix decidua 2352
lucerne 1148
maize 4106, 4116
Populus alba × *P. grandidentata* 3685
rape 2932
sugarbeet 1934, 4235
tobacco 3689, 4105
toxicity
Acari 3814
algae 1073, 1077
aquatic organisms 222, 1073, 1077, 1903, 3436
domestic animals 4038
ecosystems 3436
fishes 1072, 4496
fungi 1074, 2318, 4498
mammals 222, 1548
man 1548, 3152, 4038
Mollusca 3367
pets 4038
phytoplankton 1077
public health 4883
rabbits 4490
snails 607
soil flora 2337
zooplankton 1073
translocation
Chromolaena odorata 4566
Elymus repens 2774
Populus tremuloides 822
soyabeans 3676
transpiration
Chromolaena odorata 4572
wheat 1144
tree injection, *Populus tremula* 4947
tryptophan, *Cuscuta lupuliformis* 3004
tubers
Cyperus rotundus 1723
potatoes 3322, 4650
ultralow volume spraying, *Cynodon dactylon* 4973
uptake
Buxus sempervirens 2800
carrots 1140
Chenopodium album 1517
Chromolaena odorata 4566
Elymus repens 2774

Glyphosate *cont.*
uptake *cont.*
Hedera helix 4415
Imperata cylindrica 2153
Populus tremuloides 822
Setaria pumila 4575
Sinapis alba 4546
soyabeans 3676
tomatoes 2800
Typha 4575
Ulex europaeus 4255
wheat 4546, 4575
variety trials, maize 4116
vegetative propagation, *Cyperus rotundus* 3679
water
algae 1073
aquatic organisms 1073
degradation 1073, 2319
persistence 1073
pH 2319
zooplankton 1073
water relations, *Chromolaena odorata* 4566, 4572
waxes
Buxus sempervirens 2800
tomatoes 2800
wildlife, forests 4817
wiper applicators, *Phragmites australis* 3449
yield components
guavas 3351
Lotus corniculatus 4203
mandarins 3346
yields
apples 3341, 3343, 5085
aubergines 773
barley 1595, 2821
Capsicum frutescens 1218
cherries 778, 1221, 3343
cotton 333, 2086, 3677
faba beans 2856
grasslands 2457
groundnuts 4679
guavas 3351
maize 1600, 2000, 3265, 4179
olives 2879
onions 4654
Pinus elliottii 353
Pinus taeda 353
Poa pratensis 2457
potatoes 2481, 3322, 4650
prairies 2457
rape 2821
sorghum 729
soyabeans 1600, 2036, 3265, 4179
sugarbeet 2072
tomatoes 4659
wheat 269-270, 729, 1595, 3265, 4620
Gnaphalium indicum
control
chemical control 4650
physical control 4650
herbicides, nutrient uptake 4650
Gnaphalium luteo-album
control
chemical control 4651
integrated control 4651
physical control 4651
herbicides, nutrient uptake 4651
Golf courses
herbicides
damage 356
tolerance 356
Japan 4517
Pennisetum clandestinum
genetic variation 4404
USA 4404
USA 356
Gomphocarpus physocarpus
biology, pollination 4843
ecology, introduction 4843
Eucalyptus, surveys 4843
hosts, beneficial insects 4843
Gossypium (*see* Cotton)
Grain legumes
Denmark 3751
herbicides
degradation 1888
plant diseases 2338
Grain legumes *cont.*
herbicides *cont.*
residues 1888
selectivity 2487
Raphanus raphanistrum, chemical control 3034
weed control, yields 3751
weeds
control 305
plant competition 3751
population density 3751
Gram (*see* Chickpeas)
Gramineae (*see* Poaceae)
Gramoxone Extra 5104
Grand fir (*see Abies grandis*)
Grapes (*Vitis* spp.)
Asteraceae
pH 2227
soil types 2227
surveys 2227
Boerhavia diffusa, hosts of plant diseases 2276
Chamaemelum mixtum
distribution 2229
Portugal 2229
soil texture 2229
Chrysanthemum segetum
distribution 2229
Portugal 2229
soil texture 2229
Convolvulus arvensis
France 3815
hosts of plant diseases 3985
Croatia 320
Dactylis glomerata
distribution 2229
Portugal 2229
soil texture 2229
Egypt 5089
France 5084
Greece 1466
Heliotropium fruticosum, hosts of plant diseases 2276
Heliotropium indicum, hosts of plant diseases 2276
herbicides
adventitious roots 2780
anatomy 2780
application date 779, 2057, 3345, 4668
application equipment 689
application methods 780, 2494
application rates 779, 2057, 2406, 2494, 3307
atomizers 689
bark 2780
buds 320
damage 2780, 3307
deposition 689
drift 3307
economics 779
environmental impact 2497
environmental temperature 1224
fruits 4163
growth 320
nozzles 689
plant diseases 4163
plant pests 3814-3815
quality 320
residues 2497
roguing gloves 689
sprayers 689
tissue culture 3184
yield components 320
yields 320
Hungary 4668
Ipomoea crassicaulis, hosts of plant diseases 2276
Italy 2780, 2871
Jordan 5087
Merremia glabra, hosts of plant diseases 2276
Passiflora foetida, hosts of plant diseases 2276
Portulaca oleracea, hosts of plant diseases 2276
Setaria faberi, USA 3345
Solanum nigrum, hosts of plant diseases 3985
USA 1224, 2057, 2409, 3307
Grapes *cont.*
weed control
branches 5087
environmental temperature 1224
growth rate 5089
herbicide resistant weeds 3344
stems 5087
yields 5089
weeds
chemical control 721, 1224, 1969, 2409, 2497, 3816, 4668
control 1588, 2871, 3344, 5184
environmental temperature 1224
herbicide resistant weeds 3344
surveys 1800
Grasidim 4125
Grasses (*see also* Poaceae)
Grasslands
Acacia nilotica, invasion 2899
Aegilops cylindrica, USA 5061
Agrostis capillaris
distribution 4799
habitats 4799
pH 4799
phenology 4799
plant communities 4799
population dynamics 4799
UK 4799
Ambrosia tenuifolia, Argentina 4327
Artemisia tridentata
fire effects 3057
plant communities 3057
regrowth 3057
Asteraceae, surveys 1407
Bhutan 50
Brazil 4710
Bromus diandrus
population density 4804
USA 4804
Bromus tectorum
chemical control 2458
fire effects 3057
plant communities 3057
regrowth 3057
USA 5061
Byrsonima orbignyana
biomass 4710
flooding 4710
invasion 4710
Calamagrostis epigejos, Croatia 2034
Callisthene fasciculata
biomass 4710
flooding 4710
invasion 4710
Canada 2845-2846
Carduus nutans
invasion 1786
New Zealand 1786
population dynamics 1786
Chamerion angustifolium
distribution 4799
habitats 4799
pH 4799
phenology 4799
plant communities 4799
population dynamics 4799
UK 4799
Chenopodium album
fire effects 3057
plant communities 3057
regrowth 3057
Chenopodium leptophyllum
fire effects 3057
plant communities 3057
regrowth 3057
Cirsium arvense
biological control 4441
Netherlands 1443
Cirsium macrocephalum, Russia 1620
Cirsium vulgare
plant competition 1409
UK 1409
Combretum laxum
biomass 4710
flooding 4710
invasion 4710
Cyperus, surveys 1407
Elymus repens, Germany 1996
Epilobium, surveys 1407
Eschscholzia californica
establishment 4804

Grasslands *cont.*
Eschscholzia californica cont.
invasion 4804
reproduction 4804
USA 4804
Euphorbia esula, USA 1208, 1616, 2457
France 3650
Galium, surveys 1407
Galium aparine
fire effects 3057
plant communities 3057
regrowth 3057
Germany 497
herbicides
application rates 4636, 5061
damage 2457, 3304, 5061
deposition 4970
drift 4970
economics 2457
establishment 2844
plant communities 2233
population dynamics 4636
seed production 1618
selectivity 2844
uptake 3650
yields 1205, 1616, 1618, 2457, 3304, 4612, 4636
Hydrocotyle bonariensis
spatial distribution 4355
vegetative propagation 4355
Imperata cylindrica, Indonesia 3838
Juncus effusus
population density 4391
surveys 4391
Lolium perenne, USA 1618
Melilotus alba
distribution 951
habitats 951
population density 951
Opuntia fragilis
growth rate 1392
light 1392
plant competition 1392
shading 1392
USA 1392
Orobanche minor, population density 2970
Pennisetum setaceum, invasion 29
Pinus
disturbed land 5129
introduction 5129
invasion 5129
Poa, surveys 1407
Poaceae, surveys 1407
Poland 300
Polygonum, surveys 1407
Polygonum ramosissimum
fire effects 3057
plant communities 3057
regrowth 3057
Potentilla, surveys 1407
Potentilla arguta
distribution 951
habitats 951
population density 951
Prosopis juliflora, invasion 2899
Prosopis velutina, invasion 823
Pteridium aquilinum, Bulgaria 5056
Ranunculus, surveys 1407
Ranunculus repens, UK 3958
Rhinanthus alectorolophus
host parasite relationships 2988
Switzerland 2988
Rhinanthus minor
flowers 2124
growth rate 2124
host parasite relationships 2123-2124
nutrient availability 2123
nutrient content 2124
plant height 2124
seeds 2124
Sweden 2123-2124
Rumex obtusifolius, control 4338
Solidago graminifolia
distribution 951
habitats 951
population density 951
Switzerland 4612
Turkey 4636
UK 971, 4970
USA 951, 3057, 3304, 4377

Grasslands *cont.*
Veratrum lobelianum, Russia 1620
Verbascum thapsus
fire effects 3057
plant communities 3057
regrowth 3057
Veronica, surveys 1407
Vochysia divergens
biomass 4710
flooding 4710
invasion 4710
weed control
composition 300
yields 300, 4612
weeds
chemical control 301, 2844, 4612, 4635
control 50, 4635, 5184
cultural control 50
development 2216
distribution 2216, 4799
disturbed land 4804
habitats 4799
pH 4799
phenology 2216, 4799
plant communities 2216, 2233, 4377, 4799
plant competition 4804
plant succession 4377
population dynamics 4377, 4799
seed banks 5057
seed dispersal 5057
species diversity 2216, 3057, 4804
surveys 50
woody weeds
Germany 5057
invasion 5057
Greece
cotton, *Sorghum halepense* 4236
grapes 1466
herbicide residues
leaching 1912
river water 4876
soil 1912
herbicides
economics 4144
environmental impact 4144
legislation 4144
usage 4144
maize, *Sorghum halepense* 4181
Pterocephalus perennis, Orobanche baumanniorum 394
soyabeans, *Amaranthus* 1625
tobacco 4078, 5103
Sorghum halepense 2514
weeds 1299
aquatic weeds 1300
Centaurea solstitialis 106
flora 4299
lakes 4299
morphology 1712
Myriophyllum alterniflorum 4299
Ranunculus peltatus 1712
Ranunculus trichophyllus 1712
surveys 4299
taxonomy 1712
wheat 5103
Green gram (*see Vigna radiata*)
Green manures, Czech Republic 3509
Greenhouse crops
herbicides
atomizers 688
carriers 688
droplet studies 688
fogging 688
nozzles 688
safety 3239
temperature 688
training 3239
Grodyl 2423
Groundnuts (*Arachis hypogaea*)
Achyranthes aspera
hosts of plant pests 2708
India 2708
Ageratum conyzoides, hosts of plant pests 4846
Amaranthus palmeri, USA 325
Amaranthus spinosus, USA 324
Cameroon 1212
Cassia obtusifolia
economic thresholds 946

Groundnuts *cont.*
Cassia obtusifolia cont.
light 4373
plant competition 4373
shading 4373
USA 946, 4373
yields 4373
Cyperus esculentus, USA 4679
Cyperus rotundus, allelopathy 1788
Desmodium tortuosum
hosts of plant diseases 3988
light 4373
plant competition 4373
shading 4373
USA 3988, 4373, 4679
yields 4373
Euphorbia heterophylla
light 4373
plant competition 4373
shading 4373
USA 4373
yields 4373
herbicides
application date 324, 1644, 1648, 2502, 2880, 3357
application rates 1644, 2502, 3357
composition 1535
damage 1212, 1644-1645, 2502-2503, 3354, 3357
degradation 648
economics 786, 2880, 4232, 5043
environmental impact 786
fatty acids 1535
growth rate 654
magnesium 1535
mineral content 1535
nucleic acids 654
nutrient uptake 2881, 3356
quality 1535, 1645, 1647
residual effects 1645
residues 3142, 4029
seed germination 654
tolerance 648, 665, 2503
translocation 648
uptake 648
variety trials 1647
yield components 4232
yields 324-325, 1212, 1644-1645, 1647-1648, 2064, 2501-2503, 2880, 2882, 3354-3355, 3357, 4232, 4679, 5043, 5092
zinc 1535
India 2064, 2501, 2762, 2881-2882, 3142, 3354-3356, 4232, 5043, 5092
Melinis repens, Zambia 2825
Nicandra physalodes, hosts of plant pests 4846
Panicum texanum
plant competition 325
USA 325, 4679
yields 325
USA 1535, 1644-1648, 2502-2503, 2880, 3357, 4180
weed control
economics 786, 4232, 5043
nutrient uptake 2881, 3356
plant competition 1281
yield components 4232
yields 2064, 2501, 2825, 2882, 3354-3355, 4232, 4679, 5043, 5092
weeds
chemical control 786, 1646, 4180
control 786, 874, 3746
economics 786
hosts of plant pests 4846
integrated control 1646
occurrence 3746
physical control 787, 1646
plant communities 2825
plant competition 2881
population density 2825
yields 786, 2825
Guam
weed control
biological control 1018
Chromolaena odorata 1018
Guar (*Cyamopsis tetragonoloba*)
weeds
chemical control 2410
hosts of plant pests 3989
Guavas (*Psidium guajava*)

Guavas *cont.*
herbicides
fruits 3351
quality 3351
yield components 3351
yields 3351
India 3351
weed control
fruits 3351
quality 3351
yield components 3351
yields 3351
Guiera senegalensis
Burkina Faso 801
weed control
damage 801
regenerative ability 801
Guinea
weeds
Asteraceae 2607
Convolvulaceae 2607
Guinea-Bissau
weeds
distribution 702
economics 702
rice 702
Guinea corn (*see* Sorghum)
Guizotia
wheat
growth stages 1781
plant succession 1781
population dynamics 1781
Guizotia abyssinica
weeds
control 3746
occurrence 3746
Guizotia scabra
wheat
growth stages 1781
plant succession 1781
population dynamics 1781
Gutierrezia, control, biological control 2528
Gutierrezia microcephala
biology
genetic variation 2903
morphology 2903
polymorphism 2903
ecology, distribution 2903
toxicity, rats 2542
Gutierrezia sarothrae
biology
genetic variation 2903
growth rate 3399
morphology 2903
polymorphism 2903
roots 370, 2106, 3399
transpiration 370
water relations 370, 2106, 3399
xylem 2106
ecology
biotypes 3399
distribution 2903
drought 3399
soil depth 2106
water relations 370, 3399
water stress 370, 2106
pastures
control 2033
USA 2033
rangelands
control 2033
USA 2033
seeds, seed germination 3399
USA 370, 2106
Guyana
rice 1201
weed control
conferences 875
reports 864
rice 749, 864
weeds
conferences 875
rice 749
Haematoxylum campechianum
Mimosa bahamensis
distribution 3845
invasion 3845
occurrence 3845
Hakea preissii
control, cultural control 1207
Enchylaena tomentosa, Australia 1207
Hakea preissii *cont.*
Maireana tomentosa, Australia 1207
rangelands
Australia 1207
invasion 1207
Rhagodia eremaea, Australia 1207
Scaevola spinescens, Australia 1207
Halosulfuron
application rates
Agrostis stolonifera var. *palustris* 4700
Begonia cucullata 1240
Celosia argentea var. *plumosa* 1240
Juniperus conferta 1240
Liriope muscari 1240
Lolium perenne 4700
Pelargonium hortorum 1240
Petunia hybrida 1240
Photinia fraseri 1240
Poa pratensis 4700
Rhododendron indicum 1240
Salvia splendens 1240
Tagetes erecta 1240
Tagetes patula 1240
Vinca roseus 1240
control
Cyperus esculentus
Agrostis stolonifera var. *palustris* 4700
Begonia cucullata 1240
Celosia argentea var. *plumosa* 1240
Juniperus conferta 1240
Liriope muscari 1240
Lolium perenne 4700
Pelargonium hortorum 1240
Petunia hybrida 1240
Photinia fraseri 1240
Poa pratensis 4700
Rhododendron indicum 1240
Salvia splendens 1240
Tagetes erecta 1240
Tagetes patula 1240
Vinca roseus 1240
Cyperus rotundus
Begonia cucullata 1240
Celosia argentea var. *plumosa* 1240
Juniperus conferta 1240
Liriope muscari 1240
Pelargonium hortorum 1240
Petunia hybrida 1240
Photinia fraseri 1240
Rhododendron indicum 1240
Salvia splendens 1240
Tagetes erecta 1240
Tagetes patula 1240
Vinca roseus 1240
damage
Agrostis stolonifera var. *palustris* 4700
Begonia cucullata 1240
Juniperus conferta 1240
Lolium perenne 4700
Pelargonium hortorum 1240
Poa pratensis 4700
Salvia splendens 1240
Tagetes patula 1240
interactions, surfactants 1240
legislation, UK 240
quality
Agrostis stolonifera var. *palustris* 4700
Lolium perenne 4700
Poa pratensis 4700
regrowth
Cyperus esculentus 1240
Cyperus rotundus 1240
surfactants
Begonia cucullata 1240
Celosia argentea var. *plumosa* 1240
Juniperus conferta 1240
Liriope muscari 1240
Pelargonium hortorum 1240
Petunia hybrida 1240
Photinia fraseri 1240
Rhododendron indicum 1240
Salvia splendens 1240
Tagetes erecta 1240
Tagetes patula 1240
Vinca roseus 1240
Halosulfuron *cont.*
tolerance
Begonia cucullata 1240
Celosia argentea var. *plumosa* 1240
Juniperus conferta 1240
Liriope muscari 1240
Pelargonium hortorum 1240
Petunia hybrida 1240
Photinia fraseri 1240
Rhododendron indicum 1240
Salvia splendens 1240
Tagetes erecta 1240
Tagetes patula 1240
Vinca roseus 1240
Haloxyfop
acetyl-CoA carboxylase 1943
maize 1943
peas 1943
adjuvants
faba beans 4125
maize 4125
peas 4125
potatoes 4125
rape 4125
sugarbeet 2886, 4125
analytical methods, thin layer chromatography 2305
antagonism, oats 1513
application, safety 2387
application date
cotton 4236
potatoes 3806
soyabeans 4645
sunflowers 2061
application methods, soyabeans 4645
application rates
cotton 4236
faba beans 4125, 4210
maize 4125
peas 4125
potatoes 4125
rape 4125
soyabeans 4645
sugarbeet 2886, 4125
binding sites 1943
chemistry
degradation 4974
photolysis 4974
structure 1943
chloroplasts
maize 1943
peas 1943
control
Amaranthus powellii, sunflowers 2061
Ambrosia artemisiifolia, sunflowers 2061
Avena fatua, rape 4974
Avena sterilis, faba beans 4210
barley
as weeds 4974
rape 4974
Brachiaria plantaginea, soyabeans 4645
Echinochloa crus-galli
sugarbeet 2886
sunflowers 2061
Eupatorium trapezoideum 3455
Sorghum halepense, cotton 4236
weeds
asparagus 772
faba beans 4125
flax 4237
Limnanthes alba 4234
Lolium perenne 4195
maize 4125
peas 4125
pigeon peas 2042
potatoes 3806, 4125
rape 4125
sugarbeet 1656, 4125
sunflowers 2061
Trifolium repens 4195
cross resistance, *Lolium rigidum* 2253
damage
asparagus 772
faba beans 4210
Limnanthes alba 4234
rape 3236, 4974
degradation, rape 3236
enzymes 1943

Haloxyfop *cont.*
enzymes *cont.*
maize 1943
peas 1943
fibres, flax 4237
formulations 2387
growth rate
rape 3236
sunflowers 2061
interactions
adjuvants 2387, 4125
fertilizers 4974
herbicides 1513, 2061, 3236, 3806
surfactants 2387
membrane potential
oats 195
wheat 195
mode of action
oats 195
wheat 195
nontarget effects
soil fauna 4884
soil flora 4884
plant height, sunflowers 2061
population density, *Avena sterilis* 4210
population dynamics
Agrostis capillaris 4195
Cynosurus cristatus 4195
Dactylis glomerata 4195
Holcus lanatus 4195
Phleum pratense 4195
properties, physicochemical properties 2387
residues
drinking water 2305
soil 4884
water 2305, 4884
resistance, *Lolium rigidum* 2253
seed production, flax 4237
selectivity
asparagus 772
sunflowers 2061
soil
soil fauna 4884
soil flora 4884
surfactants, *Elymus repens* 2387
tolerance, *Limnanthes alba* 4234
toxicity, rats 1897, 2795
translocation, oats 1513
uptake, oats 1513
water, aquatic organisms 4884
yields
cotton 4236
flax 4237
pigeon peas 2042
rape 3236
soyabeans 4645
sunflowers 2061
Hazelnuts (*Corylus avellana*)
weeds
control 783
physical control 783
Heathlands
Calluna vulgaris, Netherlands 1379
herbicides, plant communities 4413
Molinia caerulea, Netherlands 1379
Pteridium aquilinum, UK 1249
UK 4413
woody weeds
population dynamics 2103
spread 2103
Hedera helix
biology
anatomy 4415
chlorophyll a/b binding protein 1667
cuticle 4415
development 1667, 4415
gene expression 1667
injuries 1667
leaves 4415
plant growth regulators 1667
waxes 4415
herbicides
anatomy 1924
composition 1924
cuticle 1924
leaves 1924
uptake 1924, 4415
waxes 1924, 4415
Hedges
Bromus sterilis
fertilizers 969
nitrogen 969
UK 959, 3926
Elymus repens
fertilizers 969
nitrogen 969
Galium aparine
fertilizers 969
nitrogen 969
occurrence 970
herbicides
deposition 4970
drift 4970
establishment 1325
Ilex aquifolium, occurrence 970
Prunus spinosa, occurrence 970
Salix, occurrence 970
UK 963, 965, 969-970, 4970
Urtica dioica, occurrence 970
weeds
fertilizers 969
nitrogen 969
species diversity 963, 969-970
surveys 963, 965
Hedychium coronarium
biology
ethanol 4745
fermentation 4745
lactic acid 4745
malic acid 4745
metabolism 4745
nucleotides 4745
pH 4745
rhizomes 4745
ecology
anoxia 4745
hypoxia 4745
survival 4745
waterlogging 4745
Hedychium gardnerianum, forests, invasion 1410
Hedyotis verticillata
biology, morphology 1589
control
biological control 1589
chemical control 1589
ecology, spread 1589
Helianthus
Orobanche cernua
host parasite relationships 2961
resistance 2961
variety trials 2961
Helianthus annuus (*see* Sunflowers)
Heliotropium
biology
flowers 3857
identification 3857
morphology 3857
nomenclature 3857
taxonomy 3857
toxicity, sheep 835
Heliotropium crispatum, ecology, distribution 4718
Heliotropium curassavicum
biology
buds 3940
chromosome aberrations 3940
emergence 1756
life cycle 3940
pollen 3940
reproduction 1756, 3940
roots 3940
vegetative propagation 1756, 3940
ecology
establishment 3940
habitats 1756
phenology 3940
plant communities 3940
plant competition 3940
regenerative ability 1756
spread 3940
survival 1756
Egypt 1756
seeds
buried seeds 1756
seed banks 1756
seed germination 3940
seed production 1756
Heliotropium europaeum
control, biological control 1012, 4718
France 1012
hosts, insects 1012
Heliotropium fruticosum
grapes, hosts of plant diseases 2276
hosts, bacteria 2276
Heliotropium indicum
grapes, hosts of plant diseases 2276
hosts, bacteria 2276
rice
seasonal variation 3515
surveys 3515
Hemarthria altissima
herbicides
damage 4196
internodes 4196
stolons 4196
New Zealand 4196
Hemerocallis
Conyza canadensis, USA 2896
Digitaria sanguinalis, USA 2896
Euphorbia humistrata, USA 2896
herbicides
development 2896
flowering 2896
growth rate 2896
tolerance 2896
Hemp (*Cannabis sativa*)
as weeds
control 3022
hosts, insects 3106
Trifolium alexandrinum, hosts of plant pests 3106
Netherlands 334
weed control
fibres 334
quality 334
yields 334
Heracleum mantegazzianum
control
chemical control 3450
cultural control 3450
Czech Republic 1675
ditch banks
distribution 3450
grazing 3450
surveys 3450
ecology
distribution 1675
invasion 1675
rivers
distribution 3450
grazing 3450
surveys 3450
streams
distribution 3450
grazing 3450
surveys 3450
Heracleum sphondylium
biology
genetic variation 3947
hybridization 3947
ecology
distribution 3947
spread 3947
seeds
oxygen 1335
seed germination 1335
Herbicide residues
analytical methods, reviews 3615
atrazine, reports 869
Australia, Victoria, reports 868
bioassays, reviews 124
Czech Republic, conferences 4316
degradation, reviews 3615
Denmark, conferences 3889
disposal, reports 868
drinking water, conferences 3889
economics, reports 869
environmental impact
books 4325
conferences 4325
reports 869
food
books 884
reports 1726, 5180
groundwater
books 1737, 5188-5189
conferences 3889
reviews 140

Herbicide residues *cont.*
microorganisms, reviews 638
models
conferences 430
reviews 611
occurrence, conferences 4316
precipitation, conferences 3889
risk assessment
books 4325
conferences 4325
soil
conferences 430, 3889-3890, 4319
reviews 638, 3615
surface water, books 1737, 5188-5189
toxicity
books 4325
conferences 4325
reports 5180
triazine herbicides, reports 869
UK, conferences 430, 3890
USA
Georgia, conferences 4325
Iowa, reports 869
waste water, reports 868
water
conferences 430, 3890
reports 869
Herbicide resistant weeds 54-55, 57-58, 196-197, 335, 346, 426, 452, 505, 649-650, 661, 672, 714, 752, 779, 861, 917, 953, 983, 985-986, 1055, 1118, 1123-1124, 1130, 1137, 1251, 1320, 1415-1416, 1418, 1511, 1540, 1586, 1598, 1660, 1730, 1759, 1806-1817, 1926, 1935-1937, 1940, 1971, 2024, 2155, 2219, 2252-2253, 2257, 2341, 2357, 2361, 2374, 2391, 2434, 2500, 2511, 2684-2686, 2776, 2889, 3027, 3074, 3076-3078, 3081, 3186, 3197, 3202, 3209, 3220, 3261, 3344, 3404, 3432, 3440, 3448, 3466, 3523-3525, 3545, 3688, 3728, 3744, 3767, 3932, 3961-3962, 3964-3965, 3967, 3990, 4094, 4108, 4114, 4198, 4216, 4228, 4250, 4399, 4405, 4407-4411, 4455, 4543, 4548, 4554-4557, 4614, 4815, 4944, 4951, 4955, 4961, 4967, 4969, 5070, 5077, 5182
Herbicides
acetyl-CoA carboxylase 1971, 3027
adjuvants, conferences 5182
air pollution, reviews 3178
amino acids 1118, 2789, 2796
analytical methods 1736, 4316, 5180
bioassays 124, 127, 4467
biological indicators 147
biosensors 1545
books 5188-5189
cation exchange 1032
concentration 1032
conferences 575, 4316
extraction 2285, 3123, 3562
fractionation 3566
freeze drying 3566
gas chromatography 117, 574, 579, 3123, 3562
HPLC 3566
immunoassay 126, 1459, 2726, 4022
liquid chromatography 1032, 2285, 4013, 4866
mass spectrometry 574, 3562, 4866
voltammetry 1458
antagonism 1119, 3235
application
adjuvants 221, 224, 1552-1553, 1559, 3226, 3749, 4126, 4129, 4574
aerial application 681, 1550, 3145
air pollution 4121
antagonism 3710, 4129, 4132-4133
application date 722, 2802, 3587, 3748
application equipment 1966, 4130
application methods 678-679, 714, 1170, 1446, 1955, 2587-2588, 2789, 3143, 3701, 3748-3749, 3833
application rates 722, 1171, 1750, 1951, 1953, 2322, 2802, 3655, 3749, 4759, 4969, 4980
band spraying 682, 1966
booms 682-683, 691, 4980
Herbicides *cont.*
application *cont.*
calibration 1171, 1579
canopy penetration 1551
carbon dioxide 3225
carriers 1559, 4122, 4440
climate 1953, 4121
conferences 4317
containers 1966, 4138, 4588-4589, 4981-4982
contamination 574
coverage 1170
deposition 682, 691-692, 1551, 3223, 4126
disposal 3240, 4138
drift 681, 1183, 1549-1552, 1613, 2798, 3145, 3223, 3728, 4034
droplet size 682, 1550, 1552, 1955
droplet studies 228, 1153, 1549
electrostatic spraying 1551
environmental factors 1154, 1156, 1553
environmental impact 109, 127, 149-150, 681, 698, 1051, 1446, 1473, 1730, 1952, 2397, 2588, 2747, 2804, 3143, 3598, 3628, 3701, 3748, 3889, 3893, 4588, 4656, 4758, 4882, 5000, 5011
fogging 692
handling 3240
high volume spraying 681
knapsack sprayers 692, 4985
labelling 2391, 4136, 4983
legislation 4984
light 1156
low volume spraying 681-682
mists 692
nozzles 682, 1170, 1550, 1953, 3223, 4586
packaging 2587
performance testing 1154
pH 3225
pressure 3225
protective clothing 693, 3714, 4136, 4139, 4589
rain 1954
relative humidity 1549, 3226
retention 1954
reviews 1954
risk 150, 245-246
risk assessment 1889, 2397
safeners 1926, 4129
safety 150, 235, 692, 699, 1172, 1559, 1734, 1816, 1889, 2080, 2387, 2512, 2588, 2802, 2804, 3598, 3833, 4136, 4139, 4326, 4589-4590, 4981, 4983-4985, 5000
soil water 1156
spot spraying 1952
sprayers 690-691, 1170, 1953, 1966, 3225, 3701, 4130, 4477
spraying 692, 1171, 4326
storage 235, 2391, 3240
surfactants 228, 1559, 1955, 2715, 4577
synergism 3710, 4129, 4132-4133
synergists 3964
temperature 1156, 1549, 1954, 3226, 4121
transport 3240
ultralow volume spraying 690, 1966
usage 699, 2391, 2408
weather 1954, 2802, 3701
wind effects 681, 683, 1155, 1549, 1551
application equipment, conferences 5182
application methods
books 3460
conferences 2587-2588, 5182, 5185
atrazine, reports 869
Australia
South Australia, reports 1728
Victoria, reports 868
availability
books 1738
directories 1738
Belgium, reports 1320
benfuresate, reviews 4484
bentazone, reviews 3553
binding proteins 3695
Herbicides *cont.*
binding sites 1119, 1528, 1545, 2932
bioassays 1815
biochemistry 279
biosensors, conferences 575
Brassica, reviews 1132
Bromus sterilis, reports 1729
cabbages, reviews 4656
Canada
Alberta, conferences 2155
reports 3240
carotenoids 1118
reviews 1941
cell culture 1546
cell division 2789
cell membranes 190-191
chemical properties, reviews 3118
chemistry 2279
binding 4008
books 1736
chemical properties 1084, 1528, 2755, 2789, 2802, 3118, 3586-3587
conferences 3888
degradation 574, 2798, 3587
development 583, 1447-1448, 1450, 1736, 1926, 3992, 4380
directories 2279
hydrolysis 4565
isomerization 1029
new products 583, 722, 1321, 1446, 1538, 1559, 1730, 1856, 1862, 2051, 2591, 2796, 3118, 3233, 3548, 4380, 4455, 4854, 4997, 5096
nomenclature 1736
photolysis 1027, 2797
physicochemical properties 109, 1154
structure 601, 1029, 1119, 1736, 3192, 3694, 4856, 4943, 4961
structure activity relationships 1084, 1452, 1520, 1528, 1538, 2791, 3016, 3211, 4008, 4319, 4452, 4563, 4856-4857
synthesis 110, 198, 1025, 1028, 1449-1452, 1859, 2280, 3551, 3888, 4452, 4455, 4856-4858
chlorophyll 671
reviews 1941
chloroplasts 4565
companies
books 4326, 5187
directories 2279, 4326, 5187
cross resistance 3027
cytology 671
Czech Republic, conferences 4316
damage 1182, 1446, 1546, 1553, 1613, 2779, 3701
degradation 179, 1118-1119, 1156, 1926, 2932, 3888
conferences 4316
Denmark
conferences 3889
reports 867
desiccation 4565
development, books 1735
directories, books 883
economics, reports 869
education
books 4326
directories 4326
efficacy, books 1736
electron transfer 4455
environment, reviews 3553
environmental impact
conferences 876, 1324, 1730
reports 869
reviews 1055
enzymes 230, 671-672, 1452, 1926, 1971, 2796, 2932, 3027, 4858, 4961
equipment, conferences 4319
extension, conferences 2155, 4319, 5182
fallow, conferences 1325
fatty acids 2789
field crops, reports 867
field experimentation, conferences 1324
forests, conferences 3459
formulations 177, 221, 684, 722, 1118, 1160, 1327, 1445, 1473, 1730, 1736, 2080, 2387, 2587, 3233, 4126, 5014

Herbicides *cont.*
formulations *cont.*
carriers 2799
conferences 430, 1730
controlled release 2379, 4759
emulsifiable concentrates 1955
emulsions 3994
granules 1160, 1169, 1955, 2798, 4758
liquids 1169, 1955
pellets 3702
wettable powders 1955, 2386
France, conferences 2587-2588
fruit crops, conferences 428, 3459
glucose 230
glufosinate, reviews 4445
glutathione 230
glutathione transferase 230
greenhouses, conferences 1324
growth rate 1546, 2779
hedges, conferences 1325
herbicide mixtures, reviews 3726
herbicide resistance
books 1736
conferences 1730
reviews 1132
herbicide resistant weeds, conferences 5182
histidine 2796
hydro-lyases 2796
imidazolinone herbicides, books 1735
industrial sites, conferences 3459
information
books 1736, 4326
directories 4326
insects, reviews 3546
interactions
acetates 3122
adjuvants 221, 224, 1445, 1561, 1567, 1736, 1923, 2387, 2809, 3115, 3749, 4129, 4149, 4574
albumins 4855
carriers 4440
citrates 3122
fertilizers 724, 3756, 3926, 4129, 4190, 4479
fungicides 687, 724, 1561, 3256, 4160, 4312
herbicides 687, 1171, 1561, 1724, 1730, 2001, 2807, 2809, 2833, 2889, 3233, 3235, 3260, 3324, 3525, 3709-3710, 3726, 3744, 3964, 4312, 4684, 4696
insecticides 687, 724, 1561, 3256
malonic acid 3122
mycoherbicides 1561
nematicides 687
ozone 4121, 4446
pesticides 3709-3710, 4129-4133
plant growth regulators 4160
safeners 1736, 4129
surfactants 1965, 2386-2387, 4577
synergists 4129
invertebrates, reviews 3177
Israel, conferences 1730, 5181
lawns and turf
books 1327, 3891
conferences 3459
leaching, conferences 4316
legislation 586, 883
Australia 781
books 883
Canada 1888, 2398, 3137
conferences 4319, 5182
developing countries 699, 4591
Europe 245, 699, 2588, 4591
European Communities 138, 241-246, 697, 1469, 2306, 3123, 3243, 3598, 3649, 3726, 4144, 5004
Germany 1175, 1881, 2497, 3243, 3262, 3323
Greece 4144
Italy 4143
Mexico 2313
Netherlands 243
nontarget effects 4996
OECD countries 4993
Poland 698, 719
Spain 3242
Sweden 248
Switzerland 4592

Herbicides *cont.*
legislation *cont.*
toxicity 4996
UK 242, 246, 694, 3649, 3724, 4755
USA 239, 339, 1054, 1646, 1733, 1904, 1972-1974, 2397, 3141, 3726, 4475, 4984, 4995, 5001
light 671
lipids 1118
mammals, books 4322
man
books 884, 4760
conferences 575
manufacture
books 1733
directories 1733
marketing, directories 2279
metabolism 671, 1118
books 4322
reviews 1941
microorganisms, reviews 3177
microtubules 1528
mitosis 1528
mixtures, conferences 1730
mode of action 671-672, 1118-1119, 1452, 1528, 1808, 2279, 2789, 2796, 2813, 3074, 3178, 3235, 3695, 3748, 3790, 3888, 4126, 4565, 4858, 4961, 5077
books 1735
conferences 430
directories 2279
reviews 1941, 3118, 3694
morphology 671
neurotoxins, books 4760
new products
conferences 1730, 2591, 5185
reviews 3118
New Zealand, conferences 4317
nontarget effects 124, 1889, 3143, 3701, 4996
Acari 147
algae 3601
aquatic organisms 586, 4884
birds 3145, 3601
conferences 430, 3889
Daphnia 3601
ecosystems 3601
Enchytraeidae 3601
flora 3601
fungi 2763
insects 586, 3145, 3546, 3601, 4903
invertebrates 3177
Lumbricidae 3601
mammals 3145
man 590, 3712, 5180
microorganisms 3177
mites 3601
Protozoa 3601
reviews 3177
soil fauna 586, 3145
soil flora 586
turtles 163
wild animals 4241
wildlife 586, 3145
oilseed plants, reviews 1132
olives, conferences 5181
organizations, books 883
ornamental plants, conferences 3459
oxidation 230
oxidoreductases 671, 1452
patents, reviews 3726
performance testing, conferences 1324
peroxidation, reviews 3694
Philippines, books 1734
phloem 1520
photosynthesis 1118, 1156, 2789, 4455, 4565
photosystem I 3027, 4565
photosystem II 1545, 3027, 3695, 4455
physiology, conferences 4319, 5182
pigments 672, 3694
reviews 1941
plant breeding
conferences 5185
genetic transformation 213, 216, 661, 1131-1132, 1926, 2279, 2355, 3200-3201, 3525, 3964, 4957, 5001
molecular genetics 3199
reviews 661

Herbicides *cont.*
plant breeding *cont.*
tolerance 213-216, 661, 664, 666-667, 1131-1132, 1926, 1935-1936, 2155, 2279, 2355, 2521, 2920, 3199-3201, 3525, 3745, 3889, 3964, 4321, 4552, 4957, 5001
plant cuticle 1923
plant diseases, reviews 4606
plant growth regulators 2789
Poland, reports 719
potatoes, reports 1728
properties
molecular weight 3018
physical properties 191, 2755, 2789, 3586-3587, 4943
physicochemical properties 109, 601, 1154, 2387
solubility 177, 2773, 3018, 3021, 3702
surface tension 4577
volatilization 174, 2797, 4943
protoporphyrin 671-672
reviews 671
receptors 1528
registration 883
Canada 695, 1888, 4997
Europe 245, 4997
European Communities 244-245, 697, 3243, 5002
Germany 2497, 3243
Japan 5000
Korea Republic 1949
Netherlands 5003
Poland 3727
UK 5002
USA 1054, 1119, 1646, 4994, 4997
regulation
books 1733
directories 1733
research
books 1733, 4326
directories 1733, 4326
reports 1320
residual effects 1588, 3804, 4151
residues 3888
atmosphere 590, 611, 1881, 2288, 3143
blood 576
crops 2729, 4994
drinking water 114, 138, 141, 570, 694, 1469, 1881, 2306, 3123, 3139, 3591, 3598, 3661, 3889, 4013, 4034
ecosystems 3728
fence posts 4588
food 1726, 5180
foods 116, 126, 584, 722, 883-884, 2726, 3139, 3141, 3728, 4035
fruit crops 3139
groundwater 140-141, 149, 579, 583, 586, 694, 714, 1467, 1586, 1605, 1737, 1881, 1886, 1907, 2755, 3663, 3889, 4072, 4316, 4475, 4624, 4884, 5011
human milk 3139
lakes 4308
man 576
plant products 179
plastics 4588
polyethylene 4588
precipitation 3889
river water 1469, 3661, 4013
rivers 177, 1469, 2285
sediment 2301
soil 116, 126, 138, 149, 167, 171, 174, 177, 179, 181, 184-185, 579, 583, 586, 610-611, 619, 638, 1027, 1084, 1588, 1646, 1737, 1883, 1916, 1918, 1984, 2288, 2322, 2338, 2729, 2746-2747, 2755, 2763, 2807, 3143, 3177, 3594, 3597, 3608, 3623, 3628, 3631, 3636, 3648-3649, 3653-3654, 3663, 3699, 3702, 3804, 3889-3890, 3964, 4072-4073, 4095, 4151, 4316, 4475, 4506, 4882, 4884, 5011
soil water 3566, 3636, 3649, 3654, 3663

Herbicides *cont.*
residues *cont.*
surface water 141, 149, 167, 171, 579, 586, 714, 1586, 1737, 1881, 1886, 3594, 3653, 4013, 4319
tap water 3123
turtles 163
urine 576
vegetables 3139
water 116, 126, 174, 177, 610-611, 781, 1032, 1469, 1718, 1886, 1891, 2285, 2301, 2316, 3018, 3143, 3323, 3562, 3564, 3586-3587, 3590, 3653, 3702, 3890, 4022, 4035, 4308, 4446, 4882, 4884
waterways 2090
wells 141
resistance 1118-1119, 1182, 1926, 3027, 3888, 4961
conferences 430, 2155
respiration 1118
rice
books 1734
reviews 3177
safeners, conferences 430
safety
conferences 5182
reports 3240
seed germination 1546
selectivity 1926, 1965
soil
Actinomycetales 2747
bacteria 2747
biodegradation 149, 181, 586, 1916, 2747, 2755, 3177, 3663
chemical degradation 2755
degradation 140, 167, 171, 173, 179, 185, 586, 610-611, 2322, 2746, 3160, 3608, 3628, 3631, 3654, 3702, 3889-3890, 4095, 4151, 4316, 4475
earthworms 1980, 3654, 4904
fungi 2338, 2747, 2763
humus 2747
leaching 140, 149, 173, 177, 1646, 1915, 2746, 3566, 3597, 3628, 3636, 3649, 3654, 3804, 3889-3890, 4072-4073, 4316, 4475, 4477, 4877, 4882
microbial activities 184, 638
microbial degradation 2322, 4475
microorganisms 181, 185, 638, 1055, 1984, 2322, 3177
mineralization 185, 2288
movement 167, 171, 179, 611, 619, 1092, 1737, 3631, 3636, 3648, 3653, 3663, 3702, 3890, 4072-4073, 4316, 4506
mycorrhizas 1918
organic matter 1980, 2579, 2747, 4095
persistence 173, 586, 610-611, 1980, 2746, 2807, 3145, 3597, 3608, 3655, 3748, 3804, 3890, 4095, 4151, 4877, 4882
photolysis 1027
rain 3648
runoff 167, 177, 1051, 2301, 3628, 3890, 4877
soil biology 1880
soil fauna 149, 586, 1055, 1984, 3177, 3654, 4884, 5011
soil fertility 4086
soil flora 149, 185, 586, 4884, 5011
soil structure 619
soil types 1092, 1953, 3804
soil water 720, 1092, 3663, 3804
sorption 140, 167, 619, 1915, 2322, 2746-2747, 2755, 3623, 3628, 3631, 3663, 3889-3890, 4073, 4095
temperature 1880, 1953
volatilization 174, 2288, 3628
Spain, conferences 2591
sugarbeet, conferences 1321
sulfonylurea herbicides, books 1735
surfactants, reviews 1964
susceptibility 1119
synergism 1119, 3235

Herbicides *cont.*
tolerance 1118-1119, 1182, 1613, 1735, 1926, 2932, 4121
toxicity 124, 1726, 1736-1737, 1889, 2497, 3233, 3833, 4996, 5091
Acari 3601
algae 3018, 3598, 3601, 4908
animals 4999
aquatic organisms 149, 579, 586, 2316, 3598, 4308, 4884, 4908
bacteria 1546
birds 1904, 3601, 4882
books 884, 4760
carcinogens 601, 1646, 3150, 4034
conferences 575
Crustacea 606, 4908
Daphnia 3601
dogs 601
earthworms 1980, 4904
ecosystems 579, 1886, 3143, 3598, 3601
Enchytraeidae 3601
environmental impact 4999
fish 3603
fishes 1904, 2316, 3598, 4882, 4908
frogs 1068
fungi 2338, 3192
guinea pigs 601
honey bees 4882
horses 2741
insects 586, 1980, 3546, 3601, 4903
Lumbricidae 3601
mammals 1980, 4322
man 156, 235, 576, 589-590, 593, 884, 1172, 1475, 1646, 1734, 1886, 1896, 2397, 2588, 2736, 3143, 3148-3150, 3598, 4034-4035, 4136, 4139, 4483, 4485, 4590, 4760, 4882, 4891, 4984, 4999, 5014, 5180
mice 601
mutagens 601, 4887
neurotoxins 3149, 4760
Protozoa 3601
public health 3143, 4034-4035
rabbits 601
rats 601, 3148, 3153, 4483, 4487-4488, 4887
reviews 4484
rodents 4039
soil fauna 586
soil flora 586
turtles 163
wildlife 586, 1904, 2090, 4755
translocation 179, 190-191, 1118, 1156, 1520, 1954, 2773, 2789, 3235, 4565
transpiration 1156, 2773
triazine herbicides, reports 869
UK
books 4326
conferences 430, 1324
directories 4326
reports 1729, 4755
uptake 191, 279, 619, 1118, 1520, 1923, 1954, 1965, 2773, 2789, 3235, 3628, 4126, 4565, 4577
USA
conferences 4319
Illinois, conferences 428
Iowa, reports 869
Massachusetts, conferences 3459
Michigan, conferences 5182
Tennessee, conferences 5185
Texas, conferences 876
Washington, conferences 575, 3888
usage
books 1738
directories 1738, 2279
vegetables, conferences 3459
water
aquatic organisms 149, 1055, 1737, 4884, 5011
biodegradation 149, 586
degradation 586, 610-611, 1032, 3702
groundwater 1092
movement 611, 3594, 3702
persistence 586, 610-611, 1092, 3145, 3748
phytoplankton 1055
surface water 1092
volatilization 174

Herbicides *cont.*
water *cont.*
water pollution 1469
water quality 570, 781
water relations 3694
waxes 1923, 4126
weather, reviews 1954
wheat, reviews 1995
wildlife, conferences 3459
yields 1951, 4121
Herbivorous fishes
control
algae 421
aquatic weeds 5192
canals 2151
cyanobacteria 421
Cyperaceae, rice 1854
Hydrilla verticillata 1311
Poaceae 421
rice 1854
Potamogeton pectinatus, irrigation channels 422
weeds
lawns and turf 1160
rice 1854
Heteranthera
control, chemical control 4192
ecology, spread 3783
rice
control 3783
Italy 4192
Heteranthera dubia, control, chemical control 1314
Heteranthera limosa
control
chemical control 752
cultural control 752
herbicides, resistance 752
rice
Italy 752
spread 752
seeds
seed banks 752
seed dispersal 752
temperature 752
Heteranthera reniformis
biology
anatomy 3875
morphology 3875
seedlings 3875
control
chemical control 752, 2436
cultural control 752, 2436
herbicides, resistance 752
rice
Italy 752
spread 752
seeds
seed banks 752
seed dispersal 752
temperature 752
Heteromeles
biology
flowers 462
morphology 462
pigments 462
taxonomy 462
Heteropogon contortus, Pennisetum setaceum, invasion 29
Heterotheca latifolia
control
chemical control 502
cultural control 502
physical control 502
fallow
plant succession 502
population dynamics 502
rye
plant succession 502
population dynamics 502
seeds, seed banks 502
sorghum
plant succession 502
population dynamics 502
Hevea
herbicides
application rates 4692
damage 4692
Hevea brasiliensis
Ageratum conyzoides
emergence 3030

Hevea brasiliensis *cont.*
Ageratum conyzoides cont.
seed banks 3030
Asystasia gangetica
emergence 3030
seed banks 3030
Borreria alata
budding 43
emergence 3030
plant competition 43
seed banks 3030
Cleome rutidosperma
emergence 3030
seed banks 3030
Cyperus rotundus
emergence 3030
seed banks 3030
Digitaria
budding 43
plant competition 43
herbicides
application rates 1227
plant succession 1227
Imperata cylindrica
budding 43
plant competition 43
Indonesia 43
Malaysia 1227, 3030
Oldenlandia herbacea
emergence 3030
seed banks 3030
Ottochloa nodosa
budding 43
plant competition 43
Paspalum conjugatum
emergence 3030
seed banks 3030
weeds
invasion 1227
plant succession 1227
Hexane-1,3-diones, cyclo- 1028
Hexanedione, 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclo- 744, 1141
Hexazinone
application
rain 4902
surfactants 1040
application date
forests 3388
rights of way 3388
roadsides 3388
application rates
Gelsemium sempervirens 337
Ilex glabra 337
Picea mariana 5119
Vaccinium 337
chemistry, reduction 3121
chlorophyll, algae 4901-4902
control
Acer rubrum, Pinus taeda 352, 3372
Cerastium glomeratum, lucerne 2460
Coronopus didymus, lucerne 2460
Diospyros virginiana, Pinus taeda 3371
Fabaceae, *Pinus taeda* 3371
Liquidambar styraciflua, Pinus taeda 352, 3372
Nyssa sylvatica, Pinus taeda 3372
Poa annua, lucerne 2460
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
Quercus, Pinus taeda 3372
Quercus nigra, Pinus taeda 352, 3371
Quercus phellos, Pinus taeda 352
raspberries
as weeds
Abies balsamea 4242
Picea mariana 4242, 5119
Picea rubens 4242
Populus tremuloides 4242
Rubus argutus, Pinus taeda 3371
Rumex obtusifolius, lucerne 2460
Sicyos, sugarcane 2507
Taraxacum officinale, lucerne 2460
Trifolium repens, lucerne 2460
Ulmus alata, Pinus taeda 352
Vaccinium, Pinus taeda 3371

Hexazinone *cont.*
control *cont.*
weeds
forests 164, 607
Picea abies 4698
Pinus radiata 347-348
Pinus taeda 349-350, 807, 3371
woody weeds
forests 337
Pinus echinata 808
Pinus taeda 352, 808
formulations 804
liquids 4242
powders 4242
growth rate
Abies balsamea 4242
algae 4901-4902
Lemna minor 3436
Picea abies 4698
Picea mariana 4242, 5119
Picea rubens 4242
Pinus banksiana 202
Pinus echinata 808
Pinus radiata 348
Pinus resinosa 202
Pinus taeda 349-350, 352, 804, 808, 3372
Populus tremuloides 4242
interactions, lignin 3121
morphology, *Pinus taeda* 349
nectar, lucerne 4567
nontarget effects
algae 4901-4902
aquatic invertebrates 4901-4902
honey bees 4567
nutrient content
Aster conspicuus 4243
Calamagrostis canadensis 4243
Populus tremuloides 4243
nutrient uptake
algae 3436
cyanobacteria 3436
phenology, *Pinus taeda* 349
photosynthesis, algae 4901
plant height
Picea mariana 5119
Pinus radiata 348
Pinus taeda 349-350
population density
Diospyros virginiana 3371
Fabaceae 3371
Pinus taeda 807
Quercus nigra 3371
Rubus argutus 3371
Vaccinium 3371
population dynamics
Gelsemium sempervirens 337
Ilex glabra 337
Vaccinium 337
regenerative ability
Pinus echinata 808
Pinus taeda 808
registration, Canada 3436
residues
groundwater 3137, 4878
soil 1106, 3137, 3660, 4878, 4925
soil water 3660
water 1067, 1070, 1075
resistance
Ilex glabra 337
Vaccinium 337
seed production, lucerne 2460
soil
degradation 3660
irrigation 3137
leaching 3660
movement 4878, 4925
persistence 4878
runoff 3137
soil fauna 1106
species diversity, *Pinus taeda* 807, 3371
sugars, lucerne 4567
survival
Abies balsamea 4242
Picea abies 4698
Picea mariana 4242, 5119
Picea rubens 4242
Pinus radiata 348
Pinus taeda 350
Populus tremuloides 4242

Hexazinone *cont.*
tolerance
Gelsemium sempervirens 337
Pinus banksiana 202
Pinus resinosa 202
toxicity
algae 1075, 4901-4902
aquatic insects 1067
aquatic invertebrates 4901-4902
aquatic organisms 3436
cyanobacteria 1075
ecosystems 3436
frogs 164
snails 607
soil fauna 1106
zooplankton 1070
water
algae 1075
aquatic insects 1067
cyanobacteria 1075
zooplankton 1070
yield components, lucerne 2460
yields
lucerne 2460
Pinus taeda 352
Hexiler 1653
Hibiscus cannabinus (*see* Kenaf)
weeds
control 3746
occurrence 3746
Hibiscus esculentus (*see* Okras)
Hieracium aurantiacum
biology
genotypes 1755
micropropagation 1755
plant growth regulators 1755
tissue culture 1755
Hieracium pilosella
Agrostis capillaris
growth rate 37
plant competition 37
Anthoxanthum odoratum
growth rate 37
plant competition 37
Arrhenatherum elatius
growth rate 37
plant competition 37
Astragalus cicer
growth rate 37
plant competition 37
Bromus inermis
growth rate 37
plant competition 37
Festuca novae-zelandiae
growth rate 37
plant competition 37
Festuca rubra
growth rate 37
plant competition 37
hosts, insects 2707
Hypochoeris radicata
growth rate 37
plant competition 37
Lotus corniculatus
growth rate 37
plant competition 37
Sanguisorba minor
growth rate 37
plant competition 37
Trifolium hybridum
growth rate 37
plant competition 37
Trifolium medium
growth rate 37
plant competition 37
Trifolium repens
growth rate 37
plant competition 37
Hieracium praealtum
Agrostis capillaris
growth rate 37
plant competition 37
Anthoxanthum odoratum
growth rate 37
plant competition 37
Arrhenatherum elatius
growth rate 37
plant competition 37
Astragalus cicer
growth rate 37
plant competition 37

Hieracium praealtum *cont.*
Bromus inermis
growth rate 37
plant competition 37
Festuca novae-zelandiae
growth rate 37
plant competition 37
Festuca rubra
growth rate 37
plant competition 37
hosts, insects 2707
Hypochoeris radicata
growth rate 37
plant competition 37
Lotus corniculatus
growth rate 37
plant competition 37
Sanguisorba minor
growth rate 37
plant competition 37
Trifolium hybridum
growth rate 37
plant competition 37
Trifolium medium
growth rate 37
plant competition 37
Trifolium repens
growth rate 37
plant competition 37
Hoe 075032 5078
Hoe 704 4559
Holcus lanatus
biology
carbon pathways 508
genetics 30
growth rate 508
photosynthesis 508
pollen 374
roots 508
transpiration 508
water relations 508
Carduus nutans
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
control, chemical control 4195
ecology
mycorrhizas 4782
plant competition 4782
herbicides, population dynamics 4195
Poa annua, invasion 3053
toxicity
allergens 374
man 374
Holcus mollis
biology
dry matter distribution 30
genetics 30
morphology 30
polyploidy 30
rhizomes 30
roots 30
ecology
genotype environment interaction 30
habitats 30
nitrogen 30
nutrient availability 30
Quercus, France 30
Holly (*see Ilex aquifolium)*
Honduras
maize 4438
sorghum 4438
Hong Kong
herbicides
man 2736
paraquat 2736
toxicity 2736
Hops (*Humulus lupulus*)
Asteraceae, occurrence 2226
Fabaceae, occurrence 2226
Germany 3165
Poaceae, occurrence 2226
Polygonaceae, occurrence 2226
UK 318
weeds, occurrence 2226
Hordeum distichum (*see* Barley)
Hordeum glaucum
biology, plant growth regulators 2341
ecology, biotypes 4944
herbicides
resistance 2341, 4944
seasonal variation 4944
Hordeum jubatum
control
chemical control 269, 5177
cultural control 269
physical control 269
ecology, rhizosphere 4935
herbicides
application date 5177
surfactants 5177
USA 5177
utilization, bioremediation 4935
Hordeum leporinum (*see Hordeum murinum* subsp. *leporinum)*
Hordeum murinum
biology
anther culture 460
cell culture 460
chromosome number 460
ploidy 460
Hordeum murinum* subsp. *leporinum
control, chemical control 1209
ecology, biotypes 4944
herbicides
photosynthesis 4944
resistance 4944
seasonal variation 4944
temperature 4944
thylakoids 4944
translocation 4944
uptake 4944
Hordeum vulgare (*see* Barley)
Hormathophylla spinosa
Cuscuta epithymum
fruiting 1285
host parasite relationships 1285
reproduction 1285
seed production 1285
Spain 1285
Horticultural crops
herbicides
application rates 1178
companies 5187
Raphanus raphanistrum, chemical control 3034
weeds
chemical control 721
control 876, 3744, 4319, 5182
cultural control 721
integrated control 1322
physical control 721
plant competition 721
Humulus lupulus (*see* Hops)
Hungary
aquatic weeds 844
grapes 4668
herbicides, usage 3736
Lotus corniculatus 3308
maize 744, 2241
Solidago gigantea 2178
weed control
biological control 3736
integrated control 3736
research 3736
weeds 469
species diversity 3736
HW-52 1025
Hydrilla
biology
chlorophyll 4291
composition 4291
mercury 4291
pigments 4291
ecology
heavy metals 4291
mercury 4291
water pollution 4291
utilization, feeds 3434
Hydrilla verticillata
biology
carotenoids 2147
chlorophyll 2147
composition 2147
cysteine 4739
dioecy 856
DNA 3439
Hydrilla verticillata *cont.*
biology *cont.*
enzymes 414
flowers 3439
glutathione 4739
growth rate 3441
peroxidase 414
phytochelatins 4739
plant growth regulators 4739
ploidy 856
proteins 2147, 3439
reproduction 856
roots 3441
senescence 2147
shoots 3441
sprouting 5174
stomata 2147
thiols 4739
tubers 3439, 3441, 5174
vegetative propagation 415
control
biological control 1311, 5174
chemical control 1311
ecology
aquatic organisms 1308
biotypes 856, 3439
environmental impact 1308
habit 3439
habitats 415
introduction 1308
soil types 3441
spread 1308
herbicides
carbohydrates 1311
enzymes 414
palatability 1311
peroxidase 414
hosts, insects 5174
lakes, USA 3439, 3441
national parks
growth rate 403
population dynamics 403
seasonal variation 403
temperature 403
rivers, USA 415
seeds
seed production 856
viability 856
USA 1308
utilization, bioassays 414
wetlands
growth rate 403
population dynamics 403
seasonal variation 403
temperature 403
Hydrocharis dubia
biology
actin 4288
cytoplasm 4288
cytoskeleton 4288
microfilaments 4288
root hairs 4288
Hydrocotyle
control
cultural control 4637
integrated control 4637
Lolium perenne, population dynamics 4637
pastures, population dynamics 4637
Hydrocotyle bonariensis
biology
branching 4355
internodes 4355
morphology 4355
rhizomes 4355
vegetative propagation 4355
ecology
habitats 4355
nutrient availability 4355
plant competition 4355
spatial distribution 4355
grasslands
spatial distribution 4355
vegetative propagation 4355
Hydrocotyle rotundifolia
rice
seasonal variation 3515
surveys 3515
Hydrocotyle umbellata
cabbages, hosts of plant pests 96
cucumbers, hosts of plant pests 96

Hydrocotyle umbellata *cont.*
garlic, hosts of plant pests 96
hosts, insects 96
onions, hosts of plant pests 96
Phaseolus vulgaris, hosts of plant pests 96
Hydroxamate, *O*-isobutenyl oxalyl- 1938
Hymenachne amplexicaulis
biology
biomass 2572
growth rate 2572
control
chemical control 1198
cultural control 1198
ecology, plant communities 2572
rice, Trinidad and Tobago 1198
Hymenoxys scaposa
biology
composition 1843
flavonoids 1843
guaianolides 1843
sesquiterpenoid lactones 1843
Hypericum perforatum
biology
carbon pathways 508
composition 5151
flowers 5151
fruits 5151
growth rate 508
identification 2116, 5151
leaves 5151
life cycle 5151
nomenclature 2116
photosynthesis 508
roots 508, 5151
stems 5151
transpiration 508
water relations 508
control 2116
biological control 2116, 2455, 5151
chemical control 4758, 5151
cultural control 3300, 5151
ecology
distribution 2116, 5151
habitats 2116
introduction 2116
invasion 5151
origin 5151
spread 2116, 5151
herbicides, aerial spraying 5151
seeds
identification 5151
seed dispersal 5151
toxicity
animals 2116
livestock 5151
utilization, medicinal plants 2116
Hypochoeris radicata
biology
composition 4721
copper 4721
sesquiterpenoids 4721
Hieracium pilosella
growth rate 37
plant competition 37
Hieracium praealtum
growth rate 37
plant competition 37
utilization, antifungal plants 4721
Hyptis suaveolens
ecology, spread 6
hosts, bacteria 3982
seeds, seed dispersal 6
IAA 436, 646, 677, 1114, 1117, 1510, 1757, 2376, 2552, 2911, 3673, 4535, 4537-4538, 4543
IBA 1755, 2552, 4538
ICIA-0051 744, 1141
Ileostylus micranthus
biology
anatomy 1679
cytology 1679
cytoplasm 1679
mitochondria 1679
nuclei 1679
suberin 1679
xylem 1679
ecology, host parasite relationships 1679
Ilex aquifolium, hedges, occurrence 970
Ilex cornuta* × *I. pernvi* × *I. latifolia
Cassia obtusifolia, USA 3376
Ilex cornuta* × *I. pernvi* × *I. latifolia *cont.*
Eleusine indica, USA 3376
herbicides, damage 3376
Oenothera laciniata, USA 3376
Ilex glabra
herbicides
application rates 337
population dynamics 337
resistance 337
Imazamethabenz
adjuvants, *Avena fatua* 859, 3188
antagonism
Avena 4545
Avena fatua 859, 1577
wheat 736
apical dominance, *Avena fatua* 1925
application date, *Avena fatua* 1577
application methods, wheat 736
application rates
Avena fatua 859
wheat 736
bioassays
carrots 1463
Chenopodium album 1463
oats 1463
Stellaria media 1463
wheat 1463
cell culture
carrots 1463
Chenopodium album 1463
oats 1463
Stellaria media 1463
wheat 1463
chloroplasts, *Avena fatua* 1151
control
Ammi majus, sunflowers 1394
Avena 4545
Avena fatua 859, 1577, 2770, 3188
wheat 736
Chenopodium album, sunflowers 1394
oats, as weeds, wheat 272
Orobanche cernua, sunflowers 1643
Sinapis arvensis, sunflowers 1394
cross resistance, *Lolium rigidum* 2253
damage
Avena fatua 1925
sunflowers 1643
wheat 736
deposition, *Avena fatua* 4971
enzymes, *Avena fatua* 1151
formulations
aqueous concentrates 1577
liquids 736
suspensions 736, 1577, 3188
growth rate
Avena fatua 1925, 2770
barley 1932
carrots 1463
Chenopodium album 1463
oats 1463
Stellaria media 1463
wheat 1463, 1932
histology, *Avena fatua* 1151
interactions
adjuvants 859, 3188
herbicides 736, 859, 1577, 2770, 4545
internodes, *Avena fatua* 1151
leaves, *Avena fatua* 1151, 4971
light
Avena fatua 4971
barley 1932
wheat 1932
nutrient availability, *Avena fatua* 2770
plant growth regulators, *Avena fatua* 2770
plant height
barley 1932
wheat 1932
residual effects 1078
residues, soil 1078
resistance, *Lolium rigidum* 2253
retention, *Avena* 4545
soil
degradation 1078
fertilizers 1078
persistence 1078
soil water 4971
soil water, *Avena fatua* 4971
starch, *Avena fatua* 1151
Imazamethabenz *cont.*
temperature
Avena fatua 4971
barley 1932
wheat 1932
tillering, *Avena fatua* 2770
tillers, *Avena fatua* 1925
tolerance
barley 1932
wheat 736, 1932
translocation
Avena 4545
Avena fatua 1151, 1925, 3188
uptake
Avena 4545
Avena fatua 1925, 2770, 3188
water stress
barley 1932
wheat 1932
waxes, *Avena fatua* 2770
yields, sunflowers 1643
Imazapyr
adjuvants, *Pinus taeda* 5117
aerial application, *Pinus taeda* 5117
analytical methods, liquid chromatography 573
application date
Acer rubrum 821
Carya tomentosa 821
Chromolaena odorata 4711
Cynodon dactylon × *C. transvaalensis* 358
Eremochloa ophiuroides 358
forests 3388
Liquidambar styraciflua 821
Nyssa sylvatica 821
Ostrya virginiana 821
Prunus serotina 821
Pseudotsuga menziesii 2520
Quercus 821
rights of way 3388
roadsides 3388
Sassafras albidum 821
Stenotaphrum secundatum 358
sugarcane 1229
Ulmus 821
Zoysia japonica × *Z. tenuifolia* 358
application methods
Pseudotsuga menziesii 810, 2520
rights of way 4703
application rates
Chromolaena odorata 4711
Cynodon dactylon × *C. transvaalensis* 358
Eremochloa ophiuroides 358
Imperata cylindrica 2153
Phragmites australis 3449
Pinus taeda 5117
Quercus nigra 4695
Stenotaphrum secundatum 358
Zoysia japonica × *Z. tenuifolia* 358
bioassays, wheat 1912
chemistry, electric potential 2717
composition, *Festuca arundinacea* 3185
control
Acer macrophyllum, Pseudotsuga menziesii 2520
Acer rubrum 821
Alnus rubra, Pseudotsuga menziesii 810
Carya tomentosa 821
Chromolaena odorata 4711
Cryptostegia grandiflora 2532
Cynodon dactylon
Cynodon dactylon × *C. transvaalensis* 358
Eremochloa ophiuroides 358
Stenotaphrum secundatum 358
Zoysia japonica × *Z. tenuifolia* 358
Diospyros virginiana, Pinus taeda 3371
Eleusine indica, farmyards 57
Euphorbia esula, grasslands 1616
Fabaceae, *Pinus taeda* 3371
Imperata cylindrica 2153
Ixophorus unisetus, ditch banks 57
Liquidambar styraciflua 821
Nyssa sylvatica 821
Orobanche cernua, sunflowers 1643
Ostrya virginiana 821

Imazapyr *cont.*
control *cont.*
Phragmites australis
marshes 3449
nature reserves 3449
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
Prunus serotina 821
Quercus 821
Quercus nigra, Pinus taeda 3371
Rubus argutus, Pinus taeda 3371
Sassafras albidum 821
Sicyos, soyabeans 2507
Solanum elaeagnifolium 388
Sorghum halepense, sugarcane 1229
Ulmus 821
Vaccinium, Pinus taeda 3371
weeds
Pinus taeda 3371
railways 3390
roadsides 3390
woody weeds, rights of way 4703
cross resistance
Eleusine indica 57
Ixophorus unisetus 57
Lolium rigidum 2253
Stellaria media 3965
damage
almonds 3818
Cynodon dactylon × *C. transvaalensis* 358
Eremochloa ophiuroides 358
oil palms 2063
Pseudotsuga menziesii 810
rice 176
Stenotaphrum secundatum 358
sunflowers 1643
Zoysia japonica × *Z. tenuifolia* 358
economics
Acer rubrum 821
Carya tomentosa 821
Cryptostegia grandiflora 2532
Liquidambar styraciflua 821
Nyssa sylvatica 821
Ostrya virginiana 821
Prunus serotina 821
Pseudotsuga menziesii 810
Quercus 821
Sassafras albidum 821
Ulmus 821
enzymes
Arabidopsis thaliana 4108
Sonchus oleraceus 4556
Stellaria media 3965
genetics, *Sonchus oleraceus* 4556
growth rate
Cynodon dactylon × *C. transvaalensis* 358
Eleusine indica 57
Eremochloa ophiuroides 358
Pinus taeda 5117
rice 176
Stenotaphrum secundatum 358
wheat 1912
Zoysia japonica × *Z. tenuifolia* 358
interactions
herbicides 1616, 4695
surfactants 4703
knapsack sprayers, rights of way 4703
leaves, *Quercus nigra* 4695
low volume spraying
Pseudotsuga menziesii 810
rights of way 4703
mode of action, *Stellaria media* 3965
mutants, *Arabidopsis thaliana* 4108
pigments, *Festuca arundinacea* 3185
plant diseases, *Quercus nigra* 4695
plant height
Festuca arundinacea 3185
Pinus taeda 5117
population density
Diospyros virginiana 3371
Fabaceae 3371
Quercus nigra 3371
Rubus argutus 3371
Vaccinium 3371
residual effects, rice 176
residues
groundwater 4878
Imazapyr *cont.*
residues *cont.*
soil 176, 573, 1912, 3818, 4878
soil water 1912
water 1493
resistance
Arabidopsis thaliana 4108
Eleusine indica 57
Ixophorus unisetus 57
Lolium rigidum 983, 1130, 2253
Sisymbrium orientale 4410
Sonchus oleraceus 4410, 4556
Stellaria media 3965
roots, rice 176
seed production, *Festuca arundinacea* 3185
soil
degradation 1912
leaching 1912
movement 4878
persistence 4878
pH 176
rain 1912
soil types 176
sorption 176, 1912
species diversity, *Pinus taeda* 3371
stump sprays
Chromolaena odorata 4711
Pseudotsuga menziesii 810
sugars, sugarcane 1229
surfactants
Imperata cylindrica 2153
rights of way 4703
susceptibility, *Stellaria media* 3965
tree injection
Acer rubrum 821
Carya tomentosa 821
Liquidambar styraciflua 821
Nyssa sylvatica 821
Ostrya virginiana 821
Prunus serotina 821
Quercus 821
Sassafras albidum 821
Ulmus 821
uptake, *Imperata cylindrica* 2153
water
degradation 1493
ozone 1493
wiper applicators, *Phragmites australis* 3449
yields
Festuca arundinacea 3185
grasslands 1616
sugarcane 1229
sunflowers 1643
Imazaquin
acetyl-CoA carboxylase
maize 2389
soyabeans 2389
amino acids, maize 1536, 3207
analytical methods
bioassays 132
extraction 568
application date
faba beans 2856
soyabeans 2037, 2471, 3795
sunflowers 4677-4678
application rates
Cyperus esculentus 1239
Cyperus rotundus 1239
faba beans 2856
soyabeans 308, 1625, 2471, 5066
sunflowers 4677-4678
bioassays
maize 132, 2321
oats 632
cell suspensions, soyabeans 1128
composition
groundnuts 1535
maize 1536
control
Abutilon theophrasti 3237
Amaranthus, soyabeans 1625
Amaranthus albus, soyabeans 3795
Amaranthus palmeri, soyabeans 3795
Amaranthus quitensis, soyabeans 2037
Amaranthus retroflexus, soyabeans 3795
Amaranthus rudis, soyabeans 3795
Imazaquin *cont.*
control *cont.*
Cassia obtusifolia, soyabeans 2468, 2471
Cassia occidentalis, soyabeans 5066
Chenopodium album 3237
Cyperus esculentus
Juniperus conferta 1239
Liriope muscari 1239
Photinia fraseri 1239
Rhododendron indicum 1239
Tagetes patula 1239
Cyperus rotundus
Juniperus conferta 1239
Liriope muscari 1239
Photinia fraseri 1239
Rhododendron indicum 1239
Tagetes patula 1239
Echinochloa crus-galli 3237
soyabeans 3312
Festuca arundinacea, soyabeans 2032
Ipomoea lacunosa, soyabeans 2468, 2471
Orobanche 2978
Orobanche cernua, sunflowers 1643
Orobanche crenata, faba beans 2856
Setaria faberi 3237
Sorghum halepense, soyabeans 3312
weeds
cowpeas 1629
soyabeans 1625, 2032
damage
cotton 2330
faba beans 2856
maize 2330, 2389, 3237
oats 632
soyabeans 308, 1625, 2330, 2389
sunflowers 1643, 4677-4678
enzymes
maize 1536, 2389
soyabeans 2389
fatty acids, groundnuts 1535
growth rate
Juniperus conferta 1239
maize 132, 2321
oats 632
soyabeans 1128
interactions
fungicides 1535
herbicides 1535, 3312, 5066
insecticides 3237
safeners 2389
keto acids, maize 1536
magnesium, groundnuts 1535
meristems, maize 3207
mode of action, maize 3207
nutrient content, groundnuts 1535
oils, soyabeans 1625
plant height
cotton 2330
maize 308, 2330, 3237
oats 632
soyabeans 2330
sunflowers 4677
wheat 308
population density
maize 308
soyabeans 308
wheat 308
proteins, soyabeans 1625
quality
groundnuts 1535
soyabeans 1625
residual effects
cotton 2330
maize 308, 2330
soyabeans 2330
wheat 308
residues
soil 132, 568, 632, 2321, 2330, 4504
water 2330
resistance, *Lolium rigidum* 983, 1130
roots, maize 132, 2321
safeners
maize 2389
soyabeans 2389
seed production, sunflowers 4678
selectivity, soyabeans 1625
soil
biodegradation 2330
degradation 2321

Imazaquin *cont.*
soil *cont.*
humus 632
organic matter 2321
persistence 2321
soil types 632, 2321, 2330
straw 4504
susceptibility, maize 3237
tolerance
maize 3237
soyabeans 1128
water
biodegradation 2330
degradation 2330
ozone 2330
temperature 2330
yield components, sunflowers 4678
yields
faba beans 2856
maize 308
soyabeans 308, 2468, 3312, 5066
sunflowers 1643, 4678
wheat 308
zinc, groundnuts 1535
Imazethapyr
adjuvants
Echinochloa crus-galli 1568
faba beans 4125
legumes 4640
maize 4125
peas 4125
Phaseolus vulgaris 4646, 5071
potatoes 4125
rape 4125
soyabeans 1564, 2469, 3794, 4643
sugarbeet 4125
amino acids, soyabeans 3696
ammonia, soyabeans 3696
analytical methods
chromatography 4462
gas chromatography 1035, 4462
liquid chromatography 573
application, application rates 3613, 4080
application date
faba beans 2856, 4208-4209
forests 3388
groundnuts 324, 2880
legumes 4640
maize 3268
peas 3802, 4209
rights of way 3388
roadsides 3388
soyabeans 3795, 4643
sunflowers 4677-4678
application rates
Amaranthus palmeri 3523
Amaranthus rudis 3523
Cyperus esculentus 1239
Cyperus rotundus 1239
Digitaria sanguinalis 1811
faba beans 2856, 4125, 4208
legumes 4640
lentils 1216
maize 4125
peas 3802, 4125
potatoes 4125
rape 4125
Setaria faberi 1811
soyabeans 308, 1625, 3794
sugarbeet 4125
sunflowers 4677-4678
biosynthesis, soyabeans 3696
chlorophyll, *Phaseolus vulgaris* 4646
composition, *Festuca arundinacea* 3185
control
Abutilon theophrasti, soyabeans 3794, 4643
Acanthospermum hispidum, groundnuts 2503
Amaranthus, soyabeans 1625, 3794
Amaranthus albus, soyabeans 3795
Amaranthus palmeri, soyabeans 3795
Amaranthus retroflexus 1216
Bouteloua gracilis 3792
Elymus hispidus 3792
Elymus smithii 3792
Panicum virgatum 3792
Phaseolus vulgaris 5071
Psathyrostachys juncea 3792
Schizachyrium scoparium 3792
soyabeans 3795

Imazethapyr *cont.*
control *cont.*
Amaranthus rudis, soyabeans 3795
Amaranthus spinosus, groundnuts 324
Ambrosia artemisiifolia
groundnuts 2880
soyabeans 2469
Anoda cristata, groundnuts 2880
Cassia occidentalis, groundnuts 2503
Chenopodium, Lotus corniculatus 1623
Chenopodium album 1216
Bouteloua gracilis 3792
Elymus hispidus 3792
Elymus smithii 3792
groundnuts 2880
Panicum virgatum 3792
Psathyrostachys juncea 3792
Schizachyrium scoparium 3792
soyabeans 2807, 3794
Cirsium arvense, Lotus corniculatus 1623
Coronilla varia, maize 3268
Cuscuta, faba beans 4208
Cyperus esculentus
groundnuts 2503
Juniperus conferta 1239
Liriope muscari 1239
Photinia fraseri 1239
Rhododendron indicum 1239
Tagetes patula 1239
Cyperus rotundus 2604
groundnuts 2503
Juniperus conferta 1239
Liriope muscari 1239
Photinia fraseri 1239
Rhododendron indicum 1239
Tagetes patula 1239
Datura stramonium, groundnuts 2503
Desmodium tortuosum, groundnuts 2503
Digitaria sanguinalis 1811, 4578
soyabeans 1564
Echinochloa crus-galli 1568
Eleusine indica, soyabeans 1564
Eragrostis cilianensis, soyabeans 1564
Euphorbia esula 384
grasslands 1616
Ipomoea lacunosa, groundnuts 2880
Jacquemontia tamnifolia, groundnuts 2503
Liquidambar styraciflua 5128
Malva parviflora 1216
Mollugo verticillata, soyabeans 1564
Orobanche 2978
Orobanche cernua, sunflowers 1643
Orobanche crenata, faba beans 2856
Pharbitis hederacea
groundnuts 2880
soyabeans 1564
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
Portulaca oleracea
Bouteloua gracilis 3792
Elymus hispidus 3792
Elymus smithii 3792
Panicum virgatum 3792
Psathyrostachys juncea 3792
Schizachyrium scoparium 3792
Setaria faberi 1811
Setaria pumila
Bouteloua gracilis 3792
Elymus hispidus 3792
Elymus smithii 3792
Panicum virgatum 3792
Psathyrostachys juncea 3792
Schizachyrium scoparium 3792
Setaria viridis 1216
Phaseolus vulgaris 310
soyabeans 1564
Sida spinosa, groundnuts 2503, 2880
Sinapis arvensis 1216
Solanum ptycanthum, Phaseolus vulgaris 5071
Solanum sarrachoides
Bouteloua gracilis 3792
Elymus hispidus 3792
Elymus smithii 3792

Imazethapyr *cont.*
control *cont.*
Solanum sarrachoides cont.
Panicum virgatum 3792
Psathyrostachys juncea 3792
Schizachyrium scoparium 3792
Sorghum halepense, maize 3273
weeds 4080
asparagus 772
Astragalus cicer 1622
faba beans 4125, 4209
legumes 4640
Lotus corniculatus 1622-1623
lucerne 1622
maize 4125
Melilotus officinalis 1622
Onobrychis viciifolia 1622
peas 3802, 4125, 4209
Phaseolus vulgaris 310, 5071
potatoes 4125
rape 4125
soyabeans 1625, 2807, 2848, 3314, 3794
sugarbeet 4125
Trifolium pratense 1622
Trifolium repens 1623
Xanthium strumarium, groundnuts 2503
cross resistance
Abutilon theophrasti 1810
Lolium rigidum 2253
Stellaria media 3965
damage
asparagus 772
Astragalus cicer 1622
Bouteloua gracilis 3792
Elymus hispidus 3792
Elymus smithii 3792
faba beans 2856, 4208
groundnuts 2503
lentils 1216
Lotus corniculatus 1622-1623
lucerne 1622
Melilotus officinalis 1622
Onobrychis viciifolia 1622
Panicum virgatum 3792
Phaseolus vulgaris 310, 4646
Psathyrostachys juncea 3792
rape 3314
Schizachyrium scoparium 3792
soyabeans 308, 1564, 1625, 2469
sugarbeet 3314
sunflowers 1643, 4677-4678
Trifolium pratense 1622
Trifolium repens 1623
digestibility, *Festuca arundinacea* 5062
economics
groundnuts 2880
Phaseolus vulgaris 310
enzymes
Sonchus oleraceus 4556
soyabeans 3696
Stellaria media 3965
fibre, *Festuca arundinacea* 5062
genetics, *Sonchus oleraceus* 4556
glutamate-ammonia ligase, soyabeans 3696
glutamate synthase, soyabeans 3696
growth rate
Juniperus conferta 1239
Lemna minor 3436
maize 3268
Phaseolus vulgaris 4646
Photinia fraseri 1239
interactions
adjuvants 1564, 1568, 2469, 3794, 4125, 4640, 4643, 4646
amino acids 3696
fertilizers 4643
herbicides 1616, 2469, 2503, 3794, 4646, 5071, 5128
safeners 4646
surfactants 4643
yields 4640
leaf angle, *Digitaria sanguinalis* 4578
legislation
Canada 1035
Italy 3314
USA 1035
mode of action, *Stellaria media* 3965
nectar, lucerne 4567

Imazethapyr *cont.*
nitrite reductase, soyabeans 3696
nontarget effects, honey bees 4567
nutrient uptake
algae 3436
cyanobacteria 3436
oils, soyabeans 1625
pigments, *Festuca arundinacea* 3185
plant height
Astragalus cicer 1622
Bouteloua gracilis 3792
Elymus hispidus 3792
Elymus smithii 3792
Festuca arundinacea 3185
Lotus corniculatus 1622
lucerne 1622
maize 308
Melilotus officinalis 1622
Onobrychis viciifolia 1622
Panicum virgatum 3792
Psathyrostachys juncea 3792
Schizachyrium scoparium 3792
sunflowers 4677
Trifolium pratense 1622
wheat 308
plant pests, *Euphorbia esula* 384
population density
maize 308
soyabeans 308
wheat 308
proteins
Festuca arundinacea 5062
soyabeans 1625, 3696
quality, soyabeans 1625
registration
Canada 1035, 3436
Italy 3314
USA 1035
residual effects 3613
maize 308
rape 3314, 4209
sugarbeet 3314, 3794
wheat 308, 4209
residues
faba beans 4462
groundwater 3613
soil 573, 3613, 4080, 4462
soyabeans 1035
resistance
Abutilon theophrasti 1810
Amaranthus palmeri 3523
Amaranthus rudis 3523
Digitaria sanguinalis 1811
Lolium rigidum 2253
Setaria faberi 1811
Sisymbrium orientale 4410
Sonchus oleraceus 4556
Stellaria media 3965
retention, *Digitaria sanguinalis* 4578
safeners, *Phaseolus vulgaris* 4646
seed production
Festuca arundinacea 3185, 5062
Lotus corniculatus 3308
sunflowers 4678
selectivity
asparagus 772
soyabeans 1625
soil
cation exchange 4080
degradation 3613
organic matter 4080
persistence 3613
pH 4080
phosphorus 4080
soil types 1616, 4080
soil water 3613
temperature 3613
soil water, soyabeans 2848
sugars, lucerne 4567
surfactants
Digitaria sanguinalis 4578
legumes 4640
soyabeans 4643
susceptibility, *Stellaria media* 3965
tolerance
groundnuts 2503
lentils 1216
Phaseolus vulgaris 4646
toxicity
aquatic organisms 3436
ecosystems 3436

Imazethapyr *cont.*
toxicity *cont.*
insects 384
translocation
Amaranthus retroflexus 5071
Phaseolus vulgaris 4646
ultralow volume spraying, *Echinochloa crus-galli* 1568
uptake
Amaranthus retroflexus 5071
Phaseolus vulgaris 4646
yield components, sunflowers 4678
yields
Astragalus cicer 1622
faba beans 2856
Festuca arundinacea 3185, 5062
grasslands 1616
groundnuts 324, 2503, 2880
legumes 4640
lentils 1216
Lotus corniculatus 1622, 3308
lucerne 1622
maize 308
Melilotus officinalis 1622
Onobrychis viciifolia 1622
peas 3802
Phaseolus vulgaris 310, 4646
rape 4209
soyabeans 308, 2469, 4643
sunflowers 1643, 4678
Trifolium pratense 1622
wheat 308, 4209
Imidazolinone herbicides
acetolactate synthase 2371
amino acids 1735, 2371
Cyperus serotinus 1150
application, environmental impact 876
binding sites 2371
chemistry
development 1735
new products 4111-4112
chlorophyll
algae 4111
wheat 4111
control
Eclipta prostrata 4112
Orobanche cernua, sunflowers 1643
cross resistance
Eleusine indica 57
Ixophorus unisetus 57
Salsola pestifera 1806
Sinapis arvensis 1806
damage, sunflowers 1643
enzymes 1735, 1817, 2371
Cyperus serotinus 1150
Kochia scoparia 1806
rice 1150
Stellaria media 1806
fluorescence, algae 4111
mode of action 1735
photosynthesis
algae 4111
Eclipta prostrata 4112
wheat 4111
quinones 2371
residues, soil 4112
resistance 1817
Eleusine indica 57
Ixophorus unisetus 57
Kochia scoparia 1806
Salsola pestifera 1806
Sinapis arvensis 1806
Sisymbrium orientale 4410
Sonchus oleraceus 4410
Stellaria media 1806
selectivity
Cyperus serotinus 1150
rice 1150
soil, sorption 4112
tolerance, maize 4583
translocation, wheat 4111
yields, sunflowers 1643
Impatiens balfourii
ecology
distribution 2224
introduction 2224
phenology 2224
gardens, distribution 2224
Impatiens capensis
biology
amino acids 3975

Impatiens capensis *cont.*
biology *cont.*
composition 3975
evolution 3522
genetic variation 3522
nectar 3975
pollination 3522, 3975
reproduction 3522
sugars 3975
ecology, survival 3522
seeds, seed production 3522
USA 3522, 3975
Impatiens glandulifera
biology
chromosomes 3473
flowers 3473
hybridization 3473
identification 3473
morphology 3473
physiology 3473
reproduction 3473
vegetative propagation 3473
control 3473
ecology
altitude 3473
climate 3473
distribution 3473
drought 3473
habitats 3473
host parasite relationships 3473
mycorrhizas 3473
phenology 3473
plant communities 3473
soil types 3473
spread 3473
temperature 3473
hosts
plant diseases 3473
plant pests 3473
seeds
seed dispersal 3473
seed germination 3473
seed production 3473
viability 3473
Impatiens noli-tangere
biology
flowering 503
growth rate 503
morphology 503
reproduction 503
ecology
disturbed land 503
genotype environment interaction 503
light 503
seasonal variation 503
Japan 503
Imperata cylindrica
Acacia mangium, Indonesia 3838
biology 2153
allelopathins 2665
composition 2665
identification 1355
Brassica campestris
allelopathy 2665
cell division 2665
growth rate 2665
seed germination 2665
control 43, 3746
biological control 3999
chemical control 1964, 2153, 3739, 3838, 4184
cultural control 2153, 3739
physical control 2153, 3739, 4184
ecology 5110
allelopathy 4147
population density 1355
spread 2153
forests, chemical control 5110
grasslands, Indonesia 3838
herbicides
application rates 2153
surfactants 2153
uptake 2153
Hevea brasiliensis
budding 43
plant competition 43
lettuces
allelopathy 2665
cell division 2665
growth rate 2665
seed germination 2665

Imperata cylindrica cont.
Pennisetum glaucum
allelopathy 2665
cell division 2665
growth rate 2665
seed germination 2665
utilization 5110
India
Crotalaria anagyroides 3110
Crotalaria grahamiana 3110
national parks 403
rice, *Caesulia axillaris* 518
weed control
aubergines 2410
beetroots 2410
biological control 4848
broccoli 2410
Brussels sprouts 2410
cabbages 2410
Capsicum 2410
carrots 2410
cauliflowers 2410
coconuts 323
cowpeas 2410
cucumbers 2410
field crops 3747
forests 432
garlic 2410
guar 2410
kohlrabi 2410
melons 2410
okras 2410
onions 2410
peas 2410
Phaseolus vulgaris 2410
pumpkins 2410
radishes 2410
squashes 2410
tomatoes 2410
turnips 2410
vegetables 2410
wheat 731
weeds
allelopathy 3028, 4380
allergens 836
biological control 3111
Chromolaena odorata 3111
conferences 3028
Euphorbia 1366
Euphorbia lathyris 1366
herbicide resistant weeds 3964
hosts of plant diseases 433
Hydrilla verticillata 856
identification 3488
Lantana camara 3846
Orobanche 2967
Parthenium hysterophorus 3411-3412
pollen 836
research 3028, 4380
rice 34
seasonal variation 3746
taxonomy 3488
viruses 433
weed utilization 3412
wheat 34
yields 3746, 3964
wetlands 403
Andaman and Nicobar Islands, flora 3475, 3913-3914
Andhra Pradesh
Eichhornia crassipes 5175
flora 3476, 3482
groundnuts 3355
herbicide residues
metoxuron 4069
soil 4069
sorption 4069
maize 2000
Pennisetum glaucum 3781
rice 747, 2026, 2441, 2841, 3293
Cyperus rotundus 3788
Echinochloa crus-galli 3788
Ipomoea carnea 710
tobacco, *Orobanche cernua* 2890, 5159
Vigna mungo, Cuscuta 2046
Vigna radiata 2478
Cuscuta 2046
Vitex negundo 909
weeds
Amaranthaceae 1369
India cont.
Andhra Pradesh cont.
weeds cont.
Asteraceae 3476
Leonotis nepetaefolia 1347
Polygonaceae 3482
reproduction 1347
surveys 3482
Assam
cowpeas 4186
jute 2088
rice 2838, 2840, 2842, 3294-3296, 4186, 5044
Vigna radiata 5072-5073
weeds 1794
Eichhornia crassipes 4301
paper 4301
rice 3515
surveys 3515
wheat 2816
Bihar
aquatic weeds 5165
chickpeas 762
Eleusine coracana 5043
flora 3485
groundnuts 4232, 5043
linseed 1792
maize 2823
potatoes 4650
rice 2440, 3282, 5043
Echinochloa crus-galli 3786
Eclipta alba 3786
soyabeans 5043
sugarcane 326
weeds
Malvaceae 3485
Poaceae 4349
Delhi
Indian mustard 2065, 2505
pigeon peas 765
sorghum 3278
soyabeans 4473
Vigna radiata 765-766
weeds
Alternanthera paronychioides 3516
conferences 870
wheat 3278, 4166
Gujarat
chicory 5083
cotton 2518, 3362
Indian mustard 2066
rice 2235, 3285
sunflowers 5090
tobacco 3361
Haryana
cabbages 1637
cotton 798
Trianthema portulacastrum 99
Tribulus terrestris 99
cowpeas 2047
garlic 2049
guavas 3351
Indian mustard 2504
mandarins 3346
onions 1634
pears 2870
Pennisetum glaucum 4797, 5040
Phaseolus aconitifolia
Trianthema portulacastrum 99
Tribulus terrestris 99
pigeon peas 2044
potatoes 2482
soyabeans
Trianthema portulacastrum 99
Tribulus terrestris 99
Vigna mungo
Trianthema portulacastrum 99
Tribulus terrestris 99
Vigna radiata, Trianthema portulacastrum 2045
watermelons
Trianthema portulacastrum 99
Tribulus terrestris 99
weeds
fungi 4725
grapes 1800
hosts of plant diseases 4725
Parthenium hysterophorus 4725
surveys 1800, 4725
India cont.
Haryana cont.
wheat 735, 1991, 2815, 2817, 2820, 3263, 3683, 4616
Phalaris minor 1990
Himachal Pradesh
apples 4661
aubergines 773
Capsicum annuum 774
Citrus nobilis × mandarins 4229
Eupatorium trapezoideum 3455
Lantana camara 2531
Macrotyloma uniflorum 2822
maize 2822
onions 2488
rice 5053
sarson 5140
soyabeans 2822
sugarcane 328, 5094
tea 796
Vigna mungo 2822
weed control
biological control 4257
Lantana camara 4257
weeds
surveys 3517
tea 3517
Indian Punjab
cotton 2082, 2517
cyanobacteria 4551
Fabaceae 1356
mandarins 1641
pears 2496
peas 2041, 3316
potatoes 2048, 3326
rice 2019, 4551
Echinochloa crus-galli 2020
sugarcane 4165
Trifolium alexandrinum 3106
turmeric 3383
weed control, sugarcane 2884
weeds
fungi 4725
hosts of plant diseases 3984, 4725
Parthenium hysterophorus 4725
rice 3066
sugarcane 2884
surveys 3066, 4725
Vigna radiata 3984
wheat 3259, 4165
Ziziphus mauritiana 2402
Jammu and Kashmir
Conyza canadensis 551
lakes 857
rice 2025, 2837
weeds
amenity and recreation areas 1407
canal banks 1407
cereals 3504
Crocus sativus 3504
ditch banks 1407
grasslands 1407
maize 1407
rice 1407
rivers 1407
roadsides 1407
streams 1407
surveys 1362
swamps 1407
tree fruits 3504
vegetables 1407, 3504
walls 1407
waste land 1407
wheat 1407
Karnataka
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
coffee 1961
cowpeas 3321
Eleusine coracana 2014
groundnuts 2762, 2882, 3356
Morus australis 4244
okras 4604
Parthenium hysterophorus 834, 3417
peas 4604
Phaseolus 4604
pigeon peas 2762, 3319, 4213-4214
potatoes 2480-2481, 3322
radishes 4604

India *cont.*
Karnataka *cont.*
rice 2021, 4191, 5048
soyabeans 3799
sunflowers 2762, 4231
Parthenium hysterophorus 386
tomatoes 4604
weed control
crop damage 3717
weeders 3717
weeds, surveys 4805
Kerala
rice 4630-4631
weeds
Alternanthera philoxeroides 1714
ecology, taxonomy 1713
sugarcane 4389
Madhya Pradesh
Brassica campestris 4433
canal banks 3005
chickpeas 764
faba beans 3315
flora 3483
Indian mustard 3358, 4233, 5093
lakes, cyanobacteria 4304
lentils 4433
linseed 784
okras 4433
Parthenium hysterophorus 5153
pigeon peas 2043, 2477, 3320
rice 2023, 2029, 2450, 3785
Ricinus communis 4433
rivers 3005
sesame 3821
sorghum, *Striga asiatica* 3279-3280
soyabeans 758, 1211, 2467, 2472, 3191, 3310, 4204-4205, 4473, 5065
Vigna mungo 4433
Vigna radiata 3320
weeds
introduction 3483
oilseed plants 3064
origin 3483
surveys 1361, 3064-3065, 3483
walls 1361
wheat 3065
wheat 727, 1211, 3257, 3264, 3266, 5025
Maharashtra
aubergines
Chenopodium album 2053
Trianthema portulacastrum 2053
Carthamus lanatus 1367
cotton 2874
garlic 2049
groundnuts 2881, 3354
Pennisetum glaucum 5039
sorghum 5038
soyabeans 2850, 4206
sugarcane 2883
sunflowers 2874
wheat 2819, 4167
Manipur, flora 4346
Meghalaya
maize 3904
potatoes 1104, 4651
rice 2836, 3904
Nagaland, rice 4184
Orissa
Chloris barbata 929
Cyperus rotundus 929
flora 3485
rice 1614, 2017, 3782, 5042
sesame 4938
weeds
Malvaceae 3485
surveys 1360
Rajasthan
Cenchrus ciliaris 466
flora 3477
groundnuts 2064
peas 2474
Plantago ovata 2524, 3386
potatoes 2484
sesame 2064
weeds
distribution 3477
flora 1357
introduction 3477
Pennisetum glaucum 1692

India *cont.*
Rajasthan *cont.*
weeds *cont.*
poisonous weeds 1678
Striga asiatica 1692
surveys 1357
utilization 3477
wheat 2818, 4619
Sikkim, weeds, surveys 1359
Tamil Nadu
Albizia amara
Dendrophthoe falcata 837
Viscum orientale 837
Azadirachta indica
Dendrophthoe falcata 837, 2922
Viscum orientale 837
cabbages 3142
cotton 1905, 2519
Cyperus rotundus 3453
forests
Dendrophthoe falcata 837
Viscum orientale 837
groundnuts 3142, 5092
Achyranthes aspera 2708
herbicides, cotton 4145
maize 1905, 4627
okras 1905
potatoes 3142
rice 1778, 2028, 2030, 2447, 2843, 3292
sorghum 1905
soyabeans 4627
sugarcane 2067
sunflowers 1905
Vigna mungo 1905, 5074
Vigna radiata 1905, 3292
weeds
Balanophoraceae 3858
Cuscutaceae 3858
Loranthaceae 3858
parasitic weeds 3858
surveys 1363
Xanthium spinosum 3487
Uttar Pradesh
canal banks 3005
Eleocharis plantaginea 3446
flora 1358, 3481
forests
Dendrophthoe falcata 3419
Scurrula cordifolia 3419
Scurrula pulverulenta 3419
Gladiolus 3382
Indian mustard 3822
jute 3363
Lantana camara 372
lemons 3817
lentils 4185
linseed 321, 2873
Mentha arvensis 2651
onions 4365, 4655
pigeon peas 2042, 2830
ponds
cyanobacteria 3878
Spirodela polyrhiza 2553
power stations 3503
rice 321, 3283, 3787, 4185, 4629, 5041
rivers 3005
sorghum 2830
soyabeans, *Oxalis latifolia* 1779
weed control, conferences 872
weeds
aquatic weeds 3860
Asteraceae 3481
distribution 1408
habitats 1408
identification 4776
marshes 3860
origin 1408
Poaceae 4776
wetlands 3860
wheat 2298, 4474, 5024
Zizania aquatica 3446
West Bengal
Chenopodium album 3044
Chromolaena odorata 3044
Croton bonplandianus 3044
fenugreek 2526
groundnuts 2501
potatoes 4215
rice 3255, 3286

India *cont.*
West Bengal *cont.*
soyabeans 2464
tea 3359
as weeds 3829
weeds 4339
surveys 3484
wheat 3255
Indian mustard (*Brassica juncea*)
Ailanthus altissima
allelopathy 4713
growth rate 4713
as weeds
control, chemical control 4452
herbicides, bioassays 4452
Canada 1650, 4912
Cyperus rotundus
allelopathins 4541
allelopathy 4541
seed germination 4541
Diplotaxis virgata, intergeneric hybridization 4774
herbicides
application date 2065, 4912, 5093
application methods 2065
application rates 1650, 5093
damage 2065, 4233
nitrogen 3822
nutrient uptake 3822
oils 1650
phosphorus 3822
potassium 3822
soil water 2065
tolerance 1650
yields 1650, 2065-2066, 3358, 4233
India 2065-2066, 2504-2505, 3358, 3822, 4233, 5093
weed control
application date 3358
nitrogen 3822
nutrient uptake 3822
phosphorus 3822
potassium 3822
yields 2066, 3358, 4233
weeds
chemical control 2505
control 2504
Indigofera hirsuta
pecans
growth rate 4793
plant competition 4793
Indonesia
Acacia auriculiformis 3365
Acacia catechu 3365
Acacia leucophloea 3365
Acacia mangium 4696
Imperata cylindrica 3838
Acacia oraria 3365
Acacia villosa 3365
Capsicum frutescens
Cynodon dactylon 3496
Ottochloa arnotiana 3496
Polytrias amaura 3496
Gliricidia sepium 3365
grasslands, *Imperata cylindrica* 3838
herbicides, usage 1181
Hevea brasiliensis 43
Paraserianthes falcataria 4697
weed control
aquatic weeds 3290
biological control 3290, 3993
extension 1181
integrated control 3290
rice 1181, 3290
yields 1181
weeds, *Hydrilla verticillata* 856
Industrial sites, weeds, control 5182
Inga edulis, Brazil 283
Insecticidal plants, as weeds 52, 225, 386, 424, 441, 467, 480, 496, 498, 556-557, 646, 725, 752, 831, 836
Insects
control
Acacia longifolia 4260
Acacia nilotica 3400
Acroptilon 104
aquatic weeds, rice 2018
Astragalus mollissimus 3855
Buddleja davidii 2900
Carduus acanthoides, rangelands 2455

Insects *cont.*
control *cont.*
Carduus nutans 1019, 4767
Carduus thoermeri, rangelands 2455
Centaurea 104, 106
Centaurea diffusa, rangelands 2455
Centaurea maculosa 1441
rangelands 2455
Centaurea solstitialis 106, 1020, 3996
rangelands 2455
Chondrilla juncea 453
rangelands 2455
Chromolaena odorata 1018, 3111
Chrysanthemoides moniliferum 825
Cirsium arvense 2653
rangelands 2455
Cirsium vulgare 454
Cordia curassavica 3993
Crotalaria anagyroides, tea 3110
Crotalaria grahamiana, tea 3110
Cytisus scoparius 4708
Echinochloa 4839
Eichhornia crassipes 2567, 3881, 4307, 5175
Eupatorium trapezoideum 3455
Euphorbia esula 377, 384, 828, 3408, 5148
rangelands 2455
Gutierrezia 2528
Heliotropium europaeum 1012
Hydrilla verticillata 5174
Hypericum perforatum 5151
rangelands 2455
Lantana camara 1017, 4257, 4259
Linaria dalmatica 1442
rangelands 2455
Linaria vulgaris, rangelands 2455
Lythrum salicaria 420
Melaleuca quinquenervia 368, 824, 4258
Mimosa invisa 5144
Mimosa pigra 105, 563
Opuntia elatior 3993
Opuntia fragilis, grasslands 1392
Opuntia stricta 4439
Orobanche 2978, 2982
Parthenium hysterophorus 386, 834
Poaceae 2278
Polygonum aviculare
ditches 1853
lucerne 1853
sugarbeet 1853
Prosopis 367
Pteridium aquilinum 3407
Raphanus raphanistrum 3034
Salsola iberica, rangelands 2455
Salvia aethiopis, rangelands 2455
Salvinia aethiopis 845
Salvinia molesta 1017
Senecio jacobaea 382, 1266, 2534
rangelands 2455
Sesbania punicea 2710, 4260
Sida acuta 564, 3997-3998
Sida rhombifolia 564, 3997
Solanum elaeagnifolium 3112-3113, 3410, 3540, 3995, 4722
Solanum mauritianum 3112-3113
Solanum sisymbriifolium 3112-3113, 3540
Striga hermonthica, cereals 4733
Tribulus terrestris, rangelands 2455
Ulex europaeus 4705
weeds 561, 3546, 3993, 4154, 4260
lawns and turf 1160
rice 2018
woody weeds 4260, 4324
Instakill 5176
Integrated control
Abutilon theophrasti, maize 2431
Acanthospermum hispidum
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
tomatoes 4604
Acer rubrum, Pinus taeda 352
Aethusa cynapium, wheat 272

Integrated control *cont.*
Ageratum conyzoides, rice 4186, 4631
Agropyron desertorum
Agropyron desertorum 2459
pastures 2459
Agrostis capillaris
Festuca 3304
grasslands 3304
Amaranthus, soyabeans 1625
Amaranthus hybridus 3389
Amaranthus retroflexus
broccoli 5082
Capsicum 3718
maize 3718
onions 3718
soyabeans 3718
sugarbeet 2076
sunflowers 3718
tomatoes 4659
Amaranthus viridis, rice 4631
Ambrosia artemisiifolia
maize 287
potatoes 4651
Anchusa italica
maize 2196
Phaseolus vulgaris 2196
Apera spica-venti
cereals 262
wheat 262
Apocynum cannabinum
maize 285
soyabeans 285
Asclepias syriaca 456
maize 287
Asphodelus tenuifolius, Plantago ovata 2524
Avena, sorghum 1795
Avena fatua
barley 1188
cereals 1813
Avena sterilis, wheat 4164
Borreria articularis, rice 4186
Bromus tectorum, wheat 4375
Cassia obtusifolia, soyabeans 2468, 2471
Cerastium glomeratum, Lolium perenne 4637
Chenopodium album 3389
broccoli 5082
Capsicum 3718
lentils 4185
maize 287, 2196, 2431, 3718
onions 3718
Phaseolus vulgaris 2196
Plantago ovata 2524
rice 4185
soyabeans 3718
sunflowers 3718
wheat 2817, 3261
Chenopodium murale, Plantago ovata 2524
Chloris gayana, sorghum 1795
Chromolaena odorata 979
Cirsium arvense 1783
fallow 2413
Commelina benghalensis
sesame 3821
sorghum 3278
Convolvulus arvensis 2411, 2711
maize 285
sorghum 1795
soyabeans 285
Cosmos bipinnatus, potatoes 4651
Cynodon dactylon
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
Plantago ovata 2524
potatoes 4651
radishes 4604
rice 4186, 4631
sesame 3821
tomatoes 4604
Cyperus esculentus 3389
groundnuts 4679
Cyperus iria
Amaranthus 4604
beetroots 4604

Integrated control *cont.*
Cyperus iria cont.
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
tomatoes 4604
Cyperus rotundus 2582
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
lentils 4185
okras 4604
peas 4604
Phaseolus 4604
Plantago ovata 2524
potatoes 4651
radishes 4604
rice 4185-4186, 4631
sesame 3821
sorghum 3278
tomatoes 4604
Dactylis glomerata
Festuca 3304
grasslands 3304
Dactyloctenium aegyptium, sorghum 3278
Desmodium tortuosum, groundnuts 4679
Dichanthium sericeum, sorghum 1795
Digera arvensis
sesame 3821
sorghum 3278
Digitaria ciliaris
Lolium perenne 4637
rice 4186
Digitaria cruciata, potatoes 4651
Digitaria ischaemum, Poa pratensis 2523
Digitaria sanguinalis
Capsicum 3718
maize 3718
onions 3718
soyabeans 3718
sunflowers 3718
Echinochloa 4342
fallow 1795
sesame 3821
sorghum 1795
Echinochloa colonum
lentils 4185
potatoes 4651
rice 1202, 4185
sorghum 3278
Echinochloa crus-galli 2411
broccoli 5082
Capsicum 3718
groundnuts 3355
lentils 4185
maize 2196, 3718
onions 3718
Phaseolus vulgaris 2196
rice 1202, 2437, 2781, 3786, 4185
soyabeans 3718
sunflowers 3718
Eclipta alba, rice 3786
Eichhornia crassipes 2567
Eleusine indica
rice 4186
sorghum 3278
Elymus repens
cereals 262
maize 287, 290, 3779
sugarbeet 2071-2072
wheat 262
Eragrostis cilianensis, sorghum 1795
Eupatorium capillifolium 1725
Euphorbia
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
tomatoes 4604
Euphorbia esula 384
grasslands 1208
Fagopyrum cymosum, potatoes 4651

Integrated control *cont.*
Fallopia convolvulus
fallow 1795
maize 2196
Phaseolus vulgaris 2196
Galium aparine 4765
wheat 272
Geranium nepalense, potatoes 4651
Gnaphalium luteo-album, potatoes 4651
Hydrocotyle, Lolium perenne 4637
Ipomoea lacunosa, soyabeans 2468, 2471
Lagascea mollis
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
tomatoes 4604
Lathyrus aphaca, wheat 2817
Leptochloa fascicularis, rice 1202
Leucas aspera, rice 4631
Liquidambar styraciflua, Pinus taeda 352
Lolium multiflorum, wheat 278
Lolium perenne
Festuca 3304
grasslands 1618, 3304
seed crops 1618
Luziola spruceana, rice 1202
Matricaria perforata 4765
Melilotus, Plantago ovata 2524
Melilotus indica, wheat 2817
Mimosa pigra 371
Mimosa pudica, rice 4631
Mollugo pentaphylla
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
tomatoes 4604
oats, as weeds, wheat 272
Orobanche 2859, 2974, 2976, 2978, 2982, 3458
Orobanche aegyptiaca 2964
tomatoes 2867
Orobanche cernua 3421
tobacco 2890
Orobanche crenata 2858, 3421
faba beans 2856
Orobanche cumana, sunflowers 2876
Orobanche foetida 2858
Oxalis stricta 3389
Panicum decompositum
fallow 1795
sorghum 1795
Panicum dichotomiflorum, maize 2430
Panicum ramosum, rice 4631
Panicum texanum, groundnuts 4679
Papaver rhoeas, wheat 272
Persicaria longiseta, Lolium perenne 4637
Phalaris minor, wheat 2817
Pharbitis hederacea, cotton 2516
Phyllanthus niruri
rice 4631
sesame 3821
sorghum 3278
Physalis heterophylla, maize 287
Physalis minima, sesame 3821
Poa pratensis, Lolium perenne 4637
Poaceae, sugarbeet 2076
Polygonum aviculare
fallow 1795
maize 2196
Phaseolus vulgaris 2196
wheat 3261
Polygonum pensylvanicum, maize 287
Polygonum persicaria
maize 2196
Phaseolus vulgaris 2196
Portulaca oleracea
Amaranthus 4604
beetroots 4604
cabbages 4604
Capsicum 3718

Integrated control *cont.*
Portulaca oleracea cont.
cauliflowers 4604
maize 3718
okras 4604
onions 3718
peas 4604
Phaseolus 4604
radishes 4604
sorghum 1795, 3278
soyabeans 3718
sunflowers 3718
tomatoes 4604
Pteridium aquilinum 2537
heathlands 1249
Quercus nigra, Pinus taeda 352
Quercus phellos, Pinus taeda 352
rape, as weeds, wheat 272
rice, as weeds, rice 2437-2438, 5054
Rottboellia cochinchinensis
maize 286
Phaseolus 286
rye, as weeds 4659
Senecio vulgaris, broccoli 5082
Setaria faberi
maize 2431
tomatoes 4659
Setaria pumila
maize 287
rice 4186
Setaria viridis 425
broccoli 5082
Sinapis arvensis, wheat 3261
Solanum 2411
Solanum nigrum
Capsicum 3718
maize 3718
onions 3718
soyabeans 3718
sunflowers 3718
Sonchus oleraceus
fallow 1795
sorghum 1795
Sorghum halepense
maize 5036
wheat 3261
Spergula arvensis, potatoes 4651
Stellaria media, wheat 272
Striga 2125, 3421, 3430, 3458
millets 4183
Striga hermonthica, maize 2827-2828
Taraxacum officinale 3389
Teucrium canadense
maize 285
soyabeans 285
Thalia geniculatis, rice 1202
Trianthema portulacastrum
groundnuts 3355
sorghum 3278
Tribulus, sorghum 1795
Ulmus alata, Pinus taeda 352
Urochloa panicoides
fallow 1795
sorghum 1795
Veronica hederifolia, wheat 272
Veronica persica, wheat 272
Vicia sativa, wheat 2817
Vulpia myuros
Festuca 3304
grasslands 3304
weeds 237, 254-255, 257, 561, 694-695, 715, 718, 902, 1317, 1323, 1936, 1951, 1980, 1982, 2579, 2806, 3546, 3590, 3735-3736, 3738, 3748-3749, 3889, 3964, 4155, 4318-4319, 4321, 4326, 4602, 4759, 5017, 5191
Amaranthus 4604
Anethum graveolens 5126
apples 2869, 3813, 4222, 4661
aubergines 773
barley 3756, 3766-3767, 5027
beetroots 3723, 4604
broccoli 5082
cabbages 3723, 4604
Capsicum 4154
Capsicum annuum 774
carrots 3723
cauliflowers 4604
cereals 261-262, 1989, 3254, 4607
chicory 4220

Integrated control *cont.*
weeds *cont.*
coffee 2080, 2512
container grown plants 2379
Coriandrum sativum 4252, 5126
cotton 1235, 2083-2085, 3831, 4145, 4806
cowpeas 1629, 2047, 2083
Durio zibethinus 4154
Eleusine coracana 5043
fallow 1795
Festuca 3304
field crops 3740
forests 5110
fruit crops 317, 776, 4143
garlic 2049, 3333
grasslands 3304
groundnuts 1646, 2064, 2882, 3356, 4679, 5043
Indian mustard 2066
jute 2088
lawns and turf 3891
lentils 3317
Lolium 3793
Lolium perenne 4635, 4637
lucerne 2594, 3303, 3306, 4806
maize 741, 743, 2000, 2002, 2005, 2429-2430, 3268, 3274, 3776, 3779, 4806
millets 1194, 4183
Miscanthus sinensis 2099
oil palms 4154
okras 4604
olives 2879
ornamental plants 2379
ornamental woody plants 3026
parsley 5126
peas 3317, 4604, 4607, 5027
Phaseolus 4604
pigeon peas 765, 2044, 3319, 4213-4214
Plantago ovata 3386
planting stock 2379
Poa pratensis 4635
pomegranates 3347-3350
potatoes 1728, 2482, 3325
radishes 4604
rape 3060, 4607
rice 875, 1181, 1204, 1614, 1734, 2018, 2021, 2030, 2442, 2445, 2841, 2843, 3281, 3289, 3295, 3782, 3786, 4186-4187, 4189, 4631, 5042-5043
rye 3767
seed crops 4607
sesame 2064, 3820-3821
sorghum 1193, 1795, 4806
soyabeans 1625, 2429, 2467, 3797-3798, 4206-4207, 5043
strawberries 5088
sugarbeet 1656, 2076-2077, 5027
sugarcane 2067, 5095
sunflowers 4231, 5090
tomatoes 4604
triticale 5033
vegetables 259, 4143, 4149, 4806
Vigna radiata 765
wheat 262, 730, 3060, 3261, 4167, 4806, 5027
woody weeds
Pinus echinata 808
Pinus taeda 352, 808
Xanthium spinosum, sorghum 1795
Inula viscosa
urban areas
establishment 2612
spread 2612
temperature 2612
Ioxynil
analytical methods, gas chromatography 118
antagonism
Lamium hybridum 3711
Stellaria media 3711
Veronica persica 3711
application date
cereals 263
onions 3809
Oxalis pes-caprae 4171
triticale 4177

Ioxynil *cont.*
application rates
barley 264
cereals 263-264
Lamium hybridum 3711
onions 3809
Oxalis pes-caprae 4171
Stellaria media 3711
sugarcane 1964
Veronica persica 3711
wheat 276
bulbs, *Oxalis pes-caprae* 4171
chlorophyll, algae 2369
control
Alopecurus myosuroides, cereals 263
Avena, cereals 263
Avena fatua 3700
Chenopodium album, wheat 3261
Cleome, sugarcane 1964
Cyperus, sugarcane 1964
Digitaria, sugarcane 1964
Galium aparine, cereals 263
Lolium, cereals 263
Oxalis pes-caprae
fallow 4171
wheat 4171
Poa annua, Poa pratensis 3843
Polygonum aviculare, wheat 3261
rape, as weeds, wheat 276
Rottboellia cochinchinensis, sugarcane 1964
Sinapis arvensis, wheat 3261
Sorghum halepense, wheat 3261
Striga gesnerioides
maize 4279
sorghum 4279
Striga hermonthica
maize 4279
sorghum 4279
weeds
barley 264
cereals 263-264
leeks 3330
onions 3809
triticale 4177
wheat 1185, 3261, 3760
damage, triticale 4177
economics, wheat 3760
electron transfer, cyanobacteria 1544
ethane, algae 2369
growth rate
algae 2369
Lamium hybridum 3711
Stellaria media 3711
Veronica persica 3711
interactions
herbicides 3711, 3760, 4177
surfactants 1964
labour requirements, wheat 3760
leaves, triticale 4177
mode of action
algae 2369
Striga gesnerioides 4279
Striga hermonthica 4279
mutants, cyanobacteria 1544
nutrient content, wheat 3261
photosynthesis
Striga gesnerioides 4279
Striga hermonthica 4279
photosystem II
cyanobacteria 1544
Striga gesnerioides 4279
Striga hermonthica 4279
plant pests
cotton 1234
Ricinus communis 1234
population density, *Oxalis pes-caprae* 4171
protoporphyrin, algae 2369
residues
atmosphere 2306
cereals 118
rain 2306
soil 118
resistance
cyanobacteria 1544
Sorghum halepense 3261
roots, *Oxalis pes-caprae* 4171
seed germination
Striga gesnerioides 4279
Striga hermonthica 4279

Ioxynil *cont.*
surfactants, sugarcane 1964
synergism
Lamium hybridum 3711
Stellaria media 3711
Veronica persica 3711
tolerance, *Poa pratensis* 3843
yields
leeks 3330
triticale 4177
wheat 3261, 3760
Ipomoea
biology
identification 3488
taxonomy 3488
cereals
population dynamics 4384
soil fertility 4384
control, chemical control 1648, 1724, 4452, 4455, 4688
cotton
chemical control 4688
plant competition 3830
USA 4688
fodder crops, seed contamination 1751
herbicides
application rates 1724
bioassays 4452
maize
population dynamics 4384
soil fertility 4384
seeds, seed germination 1751
Ipomoea acuminata
biology
development 3469
flowering 3469
flowers 1349
fruits 3469
growth rate 3469
life cycle 3469
reproduction 3469
Brazil 3469
ecology, seasonal variation 3469
Ipomoea aquatica
national parks
growth rate 403
population dynamics 403
seasonal variation 403
temperature 403
wetlands
growth rate 403
population dynamics 403
seasonal variation 403
temperature 403
Ipomoea batatas (*see* Sweet potatoes)
Ipomoea carnea
rice, India 710
utilization, green manures 710
Ipomoea crassicaulis
grapes, hosts of plant diseases 2276
hosts, bacteria 2276
Ipomoea eriocarpa
biology, taxonomy 2190
cotton, surveys 3956
Ipomoea hederacea (*see Pharbitis hederacea)*
Ipomoea hederifolia (*see Quamoclit hederifolia)*
Ipomoea lacunosa
control
chemical control 426, 2036, 2468, 2470-2471, 2880, 3796, 4753, 5106, 5109
cultural control 2471
integrated control 2468, 2471
physical control 2468
herbicides
adjuvants 426
application rates 4753
resistance 426
soyabeans, USA 2468, 2470-2471, 3796
Ipomoea pes-caprae
biology
anthers 1351
development 1351
embryology 1351
ovaries 1351
ecology
distribution 2188
nutrient availability 464
nutrient content 464

Ipomoea pes-caprae *cont.*
ecology *cont.*
plant communities 464
seeds, embryos 1351
Ipomoea purpurea (*see Pharbitis purpurea)*
Ipomoea sindica, biology, taxonomy 2190
Ipomoea tricolor, ecology, allelopathy 4568
Ipomoea triloba
sorghum
allelopathy 2223
growth rate 2223
seed germination 2223
Ipomoea turbinata
control, chemical control 4753
herbicides, application rates 4753
Ipomoea wrightii
control, chemical control 4194, 4753
herbicides, application rates 4753
Iran
weed control, conferences 4320
weeds
conferences 4320
Heliotropium 3857
hosts of plant diseases 546
wheat 3261
Iris germanica
Conyza canadensis, USA 2896
Digitaria sanguinalis, USA 2896
Euphorbia humistrata, USA 2896
herbicides
development 2896
flowering 2896
growth rate 2896
tolerance 2896
Iris pseudacorus
biology
carbohydrates 1286
energy relations 1286
glucose 1286
oxygen 1286
rhizomes 1286
sugars 1286
ecology
flooding 1286
seasonal variation 1286
Finland 1286
Irish Republic
weeds
ditch banks 3450
Heracleum mantegazzianum 3450
rivers 3450
streams 3450
surveys 3450
Irrigation channels, *Potamogeton pectinatus,* USA 422
Isatis tinctoria
control, cultural control 3300
ecology, habitats 2669
refuse tips, plant communities 2669
Ischaemum afrum
seeds
light 893
seed germination 893
soil water 893
temperature 893
Ischaemum albens
rice
seasonal variation 3515
surveys 3515
Ischaemum rugosum
control
chemical control 1201
physical control 905
rice
Philippines 905
plant competition 1202
population dynamics 3066
seed contamination 905
surveys 1201, 3066, 4815
Isoetes lacustris
biology
growth rate 2136, 3865
nutrient uptake 3865
ecology
acid rain 3865
acidification 2136
liming 3865
plant competition 3865
population dynamics 3865
Isoguard 4158
Isopentenyladenine 647, 1757

Isopentenyladenosine 1500, 1510
Isopropalin, resistance, *Lolium rigidum* 2684
Isoproturon
adjuvants
Bromus sterilis 1729
wheat 1565
analytical methods
bioassays 129
biosensors 129
chromatography 4514
extraction 4863
liquid chromatography 4863
mass spectrometry 4863
application
adjuvants 1166
application date 2325, 3587
application rates 3645
soil injection 3645
application date
Bromus sterilis 1729
Indian mustard 2065
Plantago ovata 3386
soyabeans 1213
sugarcane 2884, 4165
triticale 4177
wheat 143, 4165, 4482
application methods
Bromus sterilis 1729
sugarcane 2884
wheat 1990
application rates
cereals 264
sugarcane 2884, 4165
triticale 4952
wheat 275, 3683, 4165
bioassays
algae 129
Apera spica-venti 4514
Sinapis arvensis 4514
turnips 4067
cell division, algae 2558
chemistry
chemical properties 3587
degradation 2297, 3587
photolysis 2297
chlorophyll
Lemna minor 2558
Sinapis alba 4067
turnips 4067
composition
sugarcane 2883
wheat 2818
control
Ageratum conyzoides
Morus australis 4244
potatoes 4650
Alopecurus myosuroides 1565
wheat 1582
Amaranthus viridis, Morus australis 4244
Ambrosia artemisiifolia, potatoes 4651
Anagallis arvensis
Indian mustard 4233
potatoes 4650
sugarcane 4165
wheat 735, 1211, 4165-4166
Apera spica-venti 1565
barley 3262
cereals 262
triticale 3262
wheat 262, 3262
Asphodelus tenuifolius, Plantago ovata 2524
Avena fatua 1565
wheat 4166
Avena sterilis subsp. *ludoviciana,* wheat 735, 3263
Bromus sterilis 1159, 1729
Chenopodium album
Indian mustard 4233
Plantago ovata 2524
potatoes 3326, 4650
sugarcane 4165
wheat 735, 1211, 2817, 2820, 3263, 4165-4166
Chenopodium murale, Plantago ovata 2524
chicory, as weeds, Indian mustard 4233

Isoproturon *cont.*
control *cont.*
Cirsium arvense, wheat 4166
Commelina benghalensis, Morus australis 4244
Coronopus didymus, potatoes 3326
Cosmos bipinnatus, potatoes 4651
cress
as weeds
sugarcane 4165
wheat 4165
Cynodon dactylon
Indian mustard 4233
Morus australis 4244
Plantago ovata 2524
potatoes 4650-4651
soyabeans 1213
Cyperus rotundus
Indian mustard 4233
Morus australis 4244
Plantago ovata 2524
potatoes 3326, 4650-4651
wheat 727
Digitaria ciliaris
Indian mustard 4233
Morus australis 4244
Digitaria cruciata, potatoes 4651
Echinochloa colonum
potatoes 4651
soyabeans 1213
Elymus repens
cereals 262
wheat 262
Fagopyrum cymosum, potatoes 4651
Fumaria parviflora, potatoes 4650
Galium, wheat 1582
Galium aparine
barley 3262
triticale 3262
wheat 275, 3262
Geranium nepalense, potatoes 4651
Gnaphalium indicum, potatoes 4650
Gnaphalium luteo-album, potatoes 4651
Lathyrus aphaca, wheat 735, 2817, 2820, 3263
Medicago denticulata
sugarcane 4165
wheat 4165
Medicago polymorpha
Indian mustard 4233
wheat 727, 1211
Melilotus
Plantago ovata 2524
wheat 727
Melilotus alba
Indian mustard 4233
potatoes 4650
Melilotus indica
potatoes 3326
sugarcane 4165
wheat 2817, 3263, 4165-4166
Oxalis corniculata, potatoes 4650
Paspalum distichum, Indian mustard 4233
Phalaris minor
Indian mustard 4233
sugarcane 4165
wheat 727, 1211, 1990, 2817, 2820, 3263, 4165-4166
Poa annua 1565
potatoes 3326
Poaceae, cereals 2414
Portulaca oleracea, Indian mustard 4233
Rumex, potatoes 3326
Rumex dentatus, Indian mustard 4233
Silene conoidea
sugarcane 4165
wheat 4165
Solanum nigrum, potatoes 4650
Spergula arvensis
Indian mustard 4233
potatoes 3326, 4651
Trifolium fragiferum
Indian mustard 4233
wheat 727
Vicia sativa, wheat 2817, 2820, 3263
weeds
asparagus 772
barley 3262, 4173

Isoproturon *cont.*
control *cont.*
weeds *cont.*
cereals 262, 264
Coriandrum sativum 295
Indian mustard 2065, 3822, 4233
Miscanthus sinensis 2099
Plantago ovata 3386
potatoes 2048, 2482
soyabeans 1213
sugarcane 2883-2884
triticale 3262, 4177
wheat 262, 1185, 1582, 1991-1992, 2815-2816, 2818, 3262, 3264, 4166-4167, 5024
damage
asparagus 772
barley 2414
cereals 2414
Indian mustard 2065
Miscanthus sinensis 2099
Sinapis alba 4067
soyabeans 1213
sugarbeet 2074
sugarcane 4165
triticale 4177
turnips 4067
wheat 1565, 2414, 2820, 4165
economics
potatoes 4651
wheat 1211, 1582
formulations 1991
suspensions 4166
wettable powders 4166
growth rate
algae 2558
Coriandrum sativum 295
Lemna minor 2558
triticale 4952
wheat 3683
interactions
adjuvants 1565, 1729
herbicides 2818, 3262, 4166, 4177, 5024
surfactants 4166
leaf area
triticale 4952
wheat 4167
leaves
Lemna minor 2558
Sinapis alba 4067
triticale 4177, 4952
turnips 4067
wheat 4167
nitrogen, Indian mustard 3822
nutrient uptake
Ageratum conyzoides 4244, 4650
Amaranthus viridis 4244
Ambrosia artemisiifolia 4651
Anagallis arvensis 4650
Chenopodium album 4650
Commelina benghalensis 4244
Cosmos bipinnatus 4651
Cynodon dactylon 4244, 4650-4651
Cyperus rotundus 4244, 4650-4651
Digitaria ciliaris 4244
Digitaria cruciata 4651
Echinochloa colonum 4651
Fagopyrum cymosum 4651
Fumaria parviflora 4650
Geranium nepalense 4651
Gnaphalium indicum 4650
Gnaphalium luteo-album 4651
Indian mustard 3822
Melilotus alba 4650
Morus australis 4244
Oxalis corniculata 4650
potatoes 4650
Solanum nigrum 4650
Spergula arvensis 4651
wheat 3683
phosphorus, Indian mustard 3822
plant height, wheat 4167
potassium, Indian mustard 3822
properties
heat stability 1864
physical properties 3587
volatilization 3616
proteins, wheat 2818

Isoproturon *cont.*
relative humidity, *Phaseolus vulgaris* 3616
residual effects
Sinapis alba 4067
sugarbeet 2074
turnips 4067
residues
aquifers 2300, 3593, 3657
atmosphere 2297
drinking water 2300, 3589, 4863
groundwater 623, 2300, 2325, 3175, 3592-3593, 3638, 4514, 4863
growing media 2558
Phaseolus vulgaris 3616
river water 2300, 4033
sediment 1864
soil 613, 623, 625, 1489, 2074, 2300, 2325, 3172, 3175, 3593, 3614, 3616, 3622, 3627, 3630, 3635, 3638-3639, 3641-3642, 3645, 3647, 3657, 4067, 4071, 4514, 4918
soil water 613, 623, 3627, 3630, 3638, 3642
surface water 2300, 3592, 3645, 4071, 4863
water 2300, 2558, 3587, 3657
wells 2300
wheat 143, 4482
resistance, *Alopecurus myosuroides* 3078
salinity, wheat 2817
seed germination, wheat 3683
seeds, wheat 4482
selectivity, asparagus 772
soil
biodegradation 3172
climate 2325
degradation 613, 623, 3172, 3175, 3614, 3657, 4071
earthworms 3627
irrigation 3627
leaching 623, 2325, 3172, 3593, 3614, 3627, 3635, 3638, 3642, 3647, 4514
microorganisms 3172
movement 625, 2300, 3614, 3627, 3630, 3635, 3638-3639, 3641-3642, 3645, 3657, 4514
organic matter 1489, 3642, 3647
persistence 623, 3614, 3642, 3657
pH 1489, 3642
photolysis 3172
rain 3614, 3627, 3630, 3639
runoff 3650, 4071
soil properties 3647
soil types 2325, 3622, 3641, 4918
soil water 1159, 2325, 3614, 3642, 4918
sorption 613, 1489, 3175, 3614, 3622, 3641, 3645, 3657, 4514, 4918
temperature 613, 3614, 3616
volatilization 3616
soil water
Bromus sterilis 1159, 1729
Indian mustard 2065
sprayers, sugarcane 2884
sugars, sugarcane 2883
surfactants
soyabeans 1213
wheat 4166
susceptibility, triticale 4952
temperature
Bromus sterilis 1729
Phaseolus vulgaris 3616
tillering, wheat 735
tillers, wheat 4167
toxicity
algae 2558
goats 3157
Lemna minor 2558
mice 1066
neurotoxins 1066
rats 3155, 4896
tubers, potatoes 3326, 4650
uptake 1166, 3172
grasslands 3650
Hedera helix 4415
Lemna minor 2558

Isoproturon *cont.*
variety trials
triticale 4952
wheat 2816, 4482
water
degradation 613, 2558, 3657, 4071
movement 3657
persistence 3657
sorption 3657
temperature 613
waxes, *Hedera helix* 4415
wind effects, *Phaseolus vulgaris* 3616
yield components, wheat 2817, 4167
yields
Indian mustard 2065, 4233
Morus australis 4244
Plantago ovata 2524, 3386
potatoes 2048, 2482, 3326, 4650-4651
soyabeans 1213
sugarcane 2883, 4165
triticale 4177
wheat 727, 735, 1990, 1992, 2816-2817, 2820, 3263, 4165-4167, 5024
Isoquinolinetrione, 1,3,4(2*H*)- 4565
Isoquinolinetriones 4565
Isoxaben
application date
forests 3388
rights of way 3388
roadsides 3388
application rates
Abutilon theophrasti 424
Alopecurus myosuroides 424
Amaranthus retroflexus 424
Avena fatua 424
barley 144
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Echinochloa crus-galli 424
Fallopia convolvulus 424
Gaillardia aristata 2098
Pharbitis hederacea 424
rape, as weeds 424
Rudbeckia hirta 2098
rye 144
Setaria faberi 424
Sinapis arvensis 424
Sorghum halepense 424
sunflowers, as weeds 424
triticale 144
Veronica persica 424
wheat 144
Xanthium strumarium 424
binding sites
Agrostis stolonifera var. *palustris* 2374
Arabidopsis thaliana 2374
cell walls, *Agrostis stolonifera* var. *palustris* 2374
cellulose, *Agrostis stolonifera* var. *palustris* 2374
chemistry 2716
control
Cassia obtusifolia
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Quercus virginiana 3376
Viburnum utile 3376
Conyza canadensis
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Cyperus esculentus
Coreopsis lanceolata 1248
Echinacea purpurea 1248
Gaillardia aristata 1248
Leucanthemum vulgare 1248
Cyperus iria
Gardenia jasminoides 5123

Isoxaben *cont.*
control *cont.*
Cyperus iria cont.
Juniperus 5123
Liriope 5123
Rhododendron 5123
Trachelospermum asiaticum 5123
Digitaria sanguinalis
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Gardenia jasminoides 5123
Hemerocallis 2896
Iris germanica 2896
Juniperus 5123
Lilium 2896
Liriope 5123
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Rhododendron 5123
Trachelospermum asiaticum 5123
Eclipta alba
Coreopsis lanceolata 1248
Echinacea purpurea 1248
Gaillardia aristata 1248
Leucanthemum vulgare 1248
Eleusine indica
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Quercus virginiana 3376
Viburnum utile 3376
Euphorbia humistrata
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Euphorbia maculata
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Gardenia jasminoides 5123
Juniperus 5123
Liriope 5123
Rhododendron 5123
Rudbeckia hirta 2098
Trachelospermum asiaticum 5123
Fallopia convolvulus
oats 4622
Vicia sativa 4622
Fumaria officinalis
oats 4622
Vicia sativa 4622
Lamium amplexicaule
oats 4622
Vicia sativa 4622
Leptochloa fascicularis 3452
Leptochloa filiformis 3452
Mollugo verticillata
Gardenia jasminoides 5123
Juniperus 5123
Liriope 5123
Rhododendron 5123
Trachelospermum asiaticum 5123
Oenothera laciniata
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Quercus virginiana 3376
Viburnum utile 3376
Oxalis stricta
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
Phyllanthus
Gardenia jasminoides 5123
Juniperus 5123
Liriope 5123

Isoxaben *cont.*
control *cont.*
Phyllanthus cont.
Rhododendron 5123
Trachelospermum asiaticum 5123
Polygonum aviculare
oats 4622
Vicia sativa 4622
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
weeds 2716
apples 318
black currants 318
Coriandrum sativum 295
Gardenia jasminoides 1129
grapes 779
hops 318
oats 4622
ornamental plants 318
raspberries 318
Rhododendron obtusum 1129
strawberries 318
Vicia sativa 4622
cuttings
Gardenia jasminoides 1129
Rhododendron obtusum 1129
damage
Chrysanthemum superbum 2098
Coreopsis lanceolata 1248, 2098
Echinacea purpurea 1248, 2098
Gaillardia aristata 1248, 2098
Gardenia jasminoides 5123
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Juniperus 5123
lawns and turf 1242
Leucanthemum vulgare 1248
Liriope 5123
oats 4622
Rhododendron 5123
Rudbeckia hirta 2098
Stenotaphrum secundatum 4103
Trachelospermum asiaticum 5123
Vicia sativa 4622
degradation, *Agrostis stolonifera* var. *palustris* 2374
development
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
flowering
Allium sphaerocephalon 2896
Canna 2896
Coreopsis lanceolata 1248
Crocosmia crocosmiiflora 2896
Echinacea purpurea 1248
Gaillardia aristata 1248
Hemerocallis 2896
Iris germanica 2896
Leucanthemum vulgare 1248
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
glucose, *Agrostis stolonifera* var. *palustris* 2374
growth rate
Abutilon theophrasti 424
Allium sphaerocephalon 2896
Alopecurus myosuroides 424
Amaranthus retroflexus 424
Avena fatua 424
Canna 2896
Coriandrum sativum 295
Crocosmia crocosmiiflora 2896
Echinochloa crus-galli 424
Fallopia convolvulus 424
Gardenia jasminoides 1129
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896

Isoxaben *cont.*
growth rate *cont.*
Paeonia 2896
Pharbitis hederacea 424
rape, as weeds 424
Rhododendron obtusum 1129
Setaria faberi 424
Sinapis arvensis 424
Sorghum halepense 424
Stenotaphrum secundatum 4103
sunflowers, as weeds 424
Veronica persica 424
Xanthium strumarium 424
interactions
fertilizers 232
herbicides 144, 318, 3376, 5123
morphology
Abutilon theophrasti 424
Alopecurus myosuroides 424
Amaranthus retroflexus 424
Avena fatua 424
Echinochloa crus-galli 424
Fallopia convolvulus 424
Pharbitis hederacea 424
rape, as weeds 424
Setaria faberi 424
Sinapis arvensis 424
Sorghum halepense 424
sunflowers, as weeds 424
Veronica persica 424
Xanthium strumarium 424
population dynamics
oats 4622
Vicia sativa 4622
properties 2716
residues
barley 144
rye 144
soil 144, 232, 1082, 3622
triticale 144
wheat 144
resistance
Agrostis stolonifera var. *palustris* 2374
Arabidopsis thaliana 2374
rooting
Gardenia jasminoides 1129
Rhododendron obtusum 1129
roots
Gardenia jasminoides 1129
Rhododendron obtusum 1129
Stenotaphrum secundatum 4103
soil
degradation 232
fertilizers 232
leaching 1082
persistence 1082
photolysis 1082
sorption 1082, 3622
volatilization 1082
tolerance
Allium sphaerocephalon 2896
Canna 2896
Chrysanthemum superbum 2098
Coreopsis lanceolata 1248, 2098
Crocosmia crocosmiiflora 2896
Echinacea purpurea 1248, 2098
Gaillardia aristata 1248, 2098
Hemerocallis 2896
Iris germanica 2896
Leucanthemum vulgare 1248
Lilium 2896
Narcissus 2896
oats 4622
Ornithogalum umbellatum 2896
Paeonia 2896
Rudbeckia hirta 2098
Vicia sativa 4622
translocation, *Amaranthus retroflexus* 424
uptake
Abutilon theophrasti 424
Agrostis stolonifera var. *palustris* 2374
Alopecurus myosuroides 424
Amaranthus retroflexus 424
Avena fatua 424
Echinochloa crus-galli 424
Fallopia convolvulus 424
Pharbitis hederacea 424
rape, as weeds 424
Setaria faberi 424

Isoxaben *cont.*
uptake *cont.*
Sinapis arvensis 424
Sorghum halepense 424
sunflowers, as weeds 424
Veronica persica 424
Xanthium strumarium 424
Israel
beaches
Anabasis articulata 3949
Suaeda fruticosa 3949
cotton 1660
Cyperus rotundus 5179
flora 4345
herbicides, conferences 1730, 5181
Lactuca serriola 1329
Orobanche aegyptiaca 2964
roadsides
Aegilops cylindrica 4345
Bromus commutatus 4345
sunflowers, *Orobanche cumana* 2878
tomatoes, *Orobanche aegyptiaca* 2867
weed control
conferences 1730, 4759
Orobanche 2976
weeds, *Orobanche* 2976
Italy
Abutilon theophrasti 467
barley 4138
beetroots 3823
broccoli 5068
Capsicum 3718
carrots 767
Centaurea solstitialis 1020
cucumbers 5068
Datura stramonium 467
ditches, *Polygonum aviculare* 1853
Euphorbia esula 377
flora 2610-2619, 2624, 2635, 2668-2669, 2679, 2688, 2904
forests 3579
Fraxinus ornus 5112
grapes 2780, 2871
herbicide residues
canals 1470
degradation 3612
groundwater 4072
leaching 4072
persistence 3613
soil 3612-3613, 4072
streams 1470
surface water 1470
wells 1470
herbicides
cereals 3752-3753
economics 2444, 3353
environmental impact 3752
formulations 223
fruit crops 4143
legislation 3117, 4143
maize 3117
man 156, 1475
potatoes 3804
registration 3117, 3314
rice 2444
safety 223
solvents 223
soyabeans 3314
sugarbeet 2069
sunflowers 3353, 5091
toxicity 156, 1475
usage 4143
value added tax 1175
vegetables 4143
wheat 1995, 3752-3753
lakes, *Trapa natans* 4300
lettuces 767
Cyperus rotundus 771
lucerne, *Polygonum aviculare* 1853
maize 3116, 3277, 3718, 3771, 4138
Amaranthus retroflexus 1590
Polygonum aviculare 1590
Solanum nigrum 1590
marrows 767
onions 3718
peas
Amaranthus retroflexus 1590
Orobanche 1628
Polygonum aviculare 1590
Solanum nigrum 1590
Phaseolus vulgaris 5068

Italy *cont.*
planting stock 2871
potatoes
Amaranthus retroflexus 1590
Polygonum aviculare 1590
Solanum nigrum 1590
Quercus pubescens 5112
rice 3298
Alisma 4192
aquatic weeds 4192
Echinochloa crus-galli 752
Heteranthera 4192
Heteranthera limosa 752
Heteranthera reniformis 752
sorghum 4182
Echinochloa crus-galli 1607
sunflowers, as weeds 1607, 2062
Sorghum halepense 467
soyabeans 3718, 4138
Panicum miliaceum 1210
Polygonum persicaria 1210
Xanthium strumarium 1210
spinach 5068
sugarbeet 2807, 3652, 3823, 4138
Polygonum aviculare 1853
sunflowers, as weeds 2062
sunflowers 785, 3718
Amaranthus retroflexus 1590
Ammi majus 1394
Chenopodium album 1394
Polygonum aviculare 1590
Sinapis arvensis 1394
Solanum nigrum 1590
sunflowers, as weeds 2062
tobacco
Amaranthus retroflexus 1590
Polygonum aviculare 1590
Solanum nigrum 1590
tomatoes
Amaranthus retroflexus 1590
Polygonum aviculare 1590
Solanum nigrum 1590
weed control
cereals 3752
economics 2444
environmental impact 3752
flora 2579
fruit crops 4143
integrated control 4143
maize 3597
peas 3597
potatoes 3597
rice 2444, 3783
soyabeans 3597
sugarbeet 2069, 2078, 3597
sunflowers 3353
tomatoes 3597
vegetables 4143
wheat 1995, 3597, 3752
weeds 1010
control 3252
cropping systems 982
distribution 2676
foods 5009
hosts of plant pests 4844
maize 3597
Nematoda 4844
peas 3597
Polygonaceae 3079
potatoes 3597
Setaria verticillata 4844
Solanum nigrum 4844
soyabeans 3597
Sphagnum 2676
sugarbeet 2069, 3597
tobacco 2081
tomatoes 3597
urban areas 2609
utilization 5009
wheat 3597
wheat 2814, 4138
Avena sterilis 3464
sunflowers, as weeds 2062
Iva
biology
chloroplasts 3474
DNA 3474
evolution 3474
molecular genetics 3474
morphology 3474
taxonomy 3474
Iva axillaris
biology
chloroplasts 3474
DNA 3474
evolution 3474
molecular genetics 3474
morphology 3474
taxonomy 3474
Ixocactus macrophyllus
biology
identification 391
morphology 391
Brazil 391
Ixophorus unisetus
control, chemical control 57
ditch banks, Costa Rica 57
ecology, biotypes 57
herbicides
cross resistance 57
resistance 57
Jack pine (*see Pinus banksiana)*
Jacquemontia tamnifolia
control, chemical control 1644, 2503, 4753
herbicides, application rates 4753
hosts, fungi 544
Jamaica
sugarcane 1964
weeds
cyanogenesis 3966
cyanogenic glycosides 3966
distribution 3966
genetic variation 3966
phenotypes 3966
Turnera ulmifolia 3966
Japan
herbicide residues
crops 4480
imports 4480
herbicides
aerial application 1967
animals 3147
environmental impact 5000
formulations 1967
helicopters 1967
man 3147
marketing 3245
mycoherbicides 3288
registration 5000
rice 5000
safety 5000
toxicity 3147, 5000
Lolium perenne, pastures 4637
rice 1016, 5049-5052
weed control
biological control 3287
labour requirements 2443
mycoherbicides 3288
research 3287
rice 3287, 4187
weeds
allergens 2918
Eleusine indica 4341
pollen 2918
surveys 4341
Honshu
algae 4049
barley, wheat, as weeds 2424
Chamaecyparis obtusa 3840
Chenopodium album 2681-2682
Cryptomeria japonica 3840
Dactylis glomerata 3937
Eleusine indica 4366
Eragrostis ferruginea 4366
forests 4798
golf courses 4517
herbicide residues
golf courses 4470
man 177
pollution 4470
public health 177
toxicity 177
Impatiens noli-tangere 503
lakes, *Phragmites australis* 2571
Lespedeza striata 4812
Miscanthus sinensis 4788
Plantago major 4366
Polygonum weyrichii 48
ponds 4049
algae 4305
cyanobacteria 4305
Japan *cont.*
Honshu *cont.*
Reynoutria japonica 48, 912
rice 177, 2301, 2704, 2752, 4334, 5047
Elatine triandra 110
Lindernia dubia 2261
rivers 3682, 4476
Trifolium 5064
Trifolium repens 4639
weeds
pastures 4379
Rumex obtusifolius 4379
Zoysia japonica 3937
Kyushu
Abutilon theophrasti 3032
herbicide residues, atmosphere 4471
rice 4632
weeds, starch 1434
Japanese cedar (*see Cryptomeria japonica)*
Jasmonic acid 1107, 1111
Jatropha curcas, toxicity, fowls 2913
Jatropha gossypiifolia
biology, morphology 1360
ecology, manganese 1360
Johnson grass (*see Sorghum halepense)*
Jordan
almonds 5087
apricots 5087
barley
Amaranthus blitoides 2220
Amaranthus gracilis 2220
Amaranthus retroflexus 2220
chickpeas 1775
Poaceae 4648
grapes 5087
lentils 1775
Poaceae 4648
olives 5087
peaches 5087
weed control, *Orobanche* 2977
weeds, *Orobanche* 2977
wheat 732
Amaranthus blitoides 3941
Amaranthus gracilis 3941
Amaranthus retroflexus 3941
Sinapis arvensis 4161
Juglans
Phoradendron
host parasite relationships 2923
parenchyma 2923
water relations 2923
xylem 2923
Juglans cinerea
Canada 2347
herbicides
enzymes 2347
glutamate-ammonia ligase 2347
growth rate 2347
nitrate reductase 2347
nitrogen metabolism 2347
weed control
enzymes 2347
glutamate-ammonia ligase 2347
growth rate 2347
nitrate reductase 2347
nitrogen metabolism 2347
Juglans nigra
control
chemical control 4693
physical control 4693
herbicides
susceptibility 4693
tolerance 341
USA 341, 5122
weeds
chemical control 5122
plant competition 341, 5122
Juncus acutus
biology
dioecy 22
morphology 22
taxonomy 22
ecology, distribution 22
Juncus bufonius
control, physical control 1411
ecology
disturbed land 1411
emergence 1411
population dynamics 1411

Juncus bulbosus
biology
growth rate 2136, 3865
nutrient uptake 3865
ecology
acid rain 3865
acidification 2136
ammonia 3865
carbon dioxide enrichment 3865
liming 3865
nutrient availability 3865
nutrient uptake 3865
plant competition 3865
population dynamics 3865
lakes, Norway 3865
Juncus effusus
control, physical control 4633
grasslands
population density 4391
surveys 4391
pastures, UK 4633
weed control
application date 4633
application methods 4633
application rates 4633
flowering 4633
growth rate 4633
plant height 4633
regrowth 4633
Juncus maritimus
biology
dioecy 22
morphology 22
taxonomy 22
ecology, distribution 22
Juncus rigidus
biology
dioecy 22
morphology 22
taxonomy 22
ecology, distribution 22
Juncus roemerianus
biology
dioecy 22
morphology 22
taxonomy 22
ecology, distribution 22
Juniperus, herbicides, damage 5123
Juniperus ashei
seeds
seed dispersal 1258
seed predation 1258
USA 1258
Juniperus conferta
herbicides
application rates 1239-1240
damage 1239-1240
growth rate 1239
surfactants 1240
tolerance 1239-1240
Juniperus osteosperma
Phoradendron juniperinum
fertilizers 5158
host parasite relationships 5158
USA 5158
xylem 5158
Juniperus virginiana
control, chemical control 4707
herbicides
aerial application 4707
application methods 4707
Justicia, utilization, feeds 3434
Jute (*Corchorus capsularis* and *C. olitorius*)
as weeds, sugarcane, surveys 4389
herbicides
economics 2088
yields 2088, 3363
India 2088, 3363
weed control
economics 2088
yields 2088
weeds
control 3746
occurrence 3746
JV298 4125
Kale (*Brassica oleracea* var. *viridis*)
herbicides
application date 3741
application methods 3741
selectivity 3741
tolerance 3741
Kale *cont.*
USA 2409
weeds, chemical control 2409
Kalmia angustifolia
biology
flowering 818
fruiting 818
plant height 818
Canada 818
control, cultural control 809
ecology
disturbed land 818
habitats 818
soil types 818
soil water 818
forests, spread 818
Picea mariana
allelopathy 809
growth rate 809
plant competition 809
spread 818
seeds, viability 818
weed control
fruiting 818
regrowth 809
seed production 818
Kazakhstan
lucerne 2461
potatoes 2461
soyabeans 2461
tomatoes 2461
weed control, soyabeans 307
KC6361 2791, 2794
Kemifam 4125
Kemiron 2803
Kenaf (*Hibiscus cannabinus*)
herbicides
application rates 1662
damage 1662
plant height 1662
population density 1662
yield components 1237
yields 1662
USA 1662
Kenya
cotton, *Striga hermonthica* 2827
cowpeas, *Striga hermonthica* 2827
herbicides
coffee 2512
man 235
safety 235
storage 235
toxicity 235
usage 235
maize 743
Striga hermonthica 2827-2828, 3002, 3272
Striga 3421
weed control
chemical control 2889
coffee 2080, 2512, 2889
forests 487
Pinopsida 487
weeds
biology 397
coffee 2889
control 397
ecology 397
farmers' attitudes 397
farming systems 250
forests 487
herbicide resistant weeds 2889
Pinopsida 487
sorghum 4363
Striga 397, 4363
yields 250
Ketones, tri- 4008
Kickxia elatine
biology
morphology 4350
taxonomy 4350
ecology, distribution 4350
Kickxia spuria
barley, seed germination 2158
rye, seed germination 2158
seeds
light 2158
seed banks 2167
seed dormancy 2158
seed germination 2158
soil depth 2167
Kickxia spuria *cont.*
seeds *cont.*
storage 2158
Kinetin 436, 442, 647, 1757, 2133, 2552, 3533, 5162
Kochia scoparia
Allium fistulosum
allelopathy 3059
growth rate 3059
plant height 3059
seed germination 3059
Allium fistulosum × onions
allelopathy 3059
growth rate 3059
plant height 3059
seed germination 3059
barley, USA 2685
biology
chromosome number 1415
digestibility 1179
emergence 858
energy content 1179
gene flow 2685
genetics 1415
pollen 2171, 2685
pollen germination 2171
pollination 2685
proteins 1179
control 2824
chemical control 312, 333, 2434, 2509, 2685, 5078, 5098
cultural control 333, 2434
integrated control 333
physical control 333
cotton, USA 333
ecology
biotypes 1415, 3932, 4554
plant competition 3932
population dynamics 858
rain 2685
relative humidity 2171
rhizosphere 4935
temperature 2171, 2685
wind effects 2685
fallow, USA 333, 2171
herbicides
adjuvants 2384
carriers 2384
cross resistance 1806
damage 2384
enzymes 1806, 3932, 4405, 4554
growth rate 1415
molecular genetics 4554
mutants 4554
resistance 1415, 1806, 2434, 2685, 3932, 4405, 4554
onions
allelopathy 3059
growth rate 3059
plant height 3059
seed germination 3059
sorghum, USA 2434
sugarbeet
composition 2203
economics 2203
growth rate 2203
light 2203
plant competition 2203
plant height 2203
population density 2203
sugars 2203
USA 2203
yields 2203
utilization
bioremediation 4935
fodder crops 1179
wheat
plant competition 3932
USA 333
Kohlrabi (*Brassica oleracea* var. *gongylodes*)
weeds, chemical control 2410
Korea Republic
Capsicum 2839
cucumbers 2839
herbicide residues
crops 1880
soil 1880
water 1880
herbicides
application methods 1949

Korea Republic *cont.*
herbicides *cont.*
application rates 1949
damage 1949, 1953
environmental impact 1880
marketing 1949
mycoherbicides 3288
registration 1949
research 1953
rice 2835
safety 1880
usage 1880, 1953
melons 2839
rice 1385-1386, 1405-1406, 1521, 2451-2452, 2839
algae 2015
cyanobacteria 2015
Echinochloa crus-galli 1384, 2449, 2689-2690, 2781
Eleocharis kuroguwai 1384, 2175
Sagittaria trifolia 1391, 2834
sesame 1649
tomatoes 2839
weed control
mycoherbicides 3288
rice 2031, 2442
weeds 3055
algae 3017
Calystegia japonica 4779
cyanobacteria 2577
Echinochloa 4342
Eleusine indica 4341
flora 1355
Hydrilla verticillata 856
rice 2577, 3017
surveys 2234, 4341
utilization 3248
Krigia
biology
genetics 461
taxonomy 461
Krigia cespitosa
biology
genetics 461
taxonomy 461
Krigia occidentalis
biology
genetics 461
taxonomy 461
Kyllinga squamulata
cereals
population dynamics 4384
soil fertility 4384
maize
population dynamics 4384
soil fertility 4384
Kyrgyzstan
lucerne 2461
potatoes 2461
soyabeans 2461
tomatoes 2461
LAB 173711 645
Lablab niger *(see Lablab purpureus)*
Lablab purpureus, *Rottboellia cochinchinensis,* Costa Rica 1604
Lactofen
adjuvants, soyabeans 4643
application date
groundnuts 324, 1648
potatoes 4216
soyabeans 3795, 4643
application methods, potatoes 4216
application rates, potatoes 3805, 4216
control
Abutilon theophrasti, soyabeans 4643
Amaranthus albus, soyabeans 3795
Amaranthus palmeri
groundnuts 325
soyabeans 3795
Amaranthus retroflexus, soyabeans 3795
Amaranthus rudis, soyabeans 3795
Amaranthus spinosus, groundnuts 324
Chenopodium album
groundnuts 1648
potatoes 4216
Echinochloa crus-galli
potatoes 4216
soyabeans 3312
Eclipta prostrata, groundnuts 1648
Fallopia convolvulus, potatoes 4216
Lactofen *cont.*
control *cont.*
Galium aparine, potatoes 3805
Galium tricornutum, potatoes 3805
Ipomoea, groundnuts 1648
Panicum texanum, groundnuts 325
Sida spinosa, groundnuts 1648
Sorghum halepense, soyabeans 3312
Viola arvensis, potatoes 4216
damage, potatoes 3805
interactions
adjuvants 4643
fertilizers 4643
herbicides 3312, 4643
surfactants 4643
leaves
Abutilon theophrasti 1913
Xanthium strumarium 1913
rain
Abutilon theophrasti 1913
Xanthium strumarium 1913
residues, soil 1913
retention
Abutilon theophrasti 1913
Xanthium strumarium 1913
soil
rain 1913
runoff 1913
soil types 3805
surfactants, soyabeans 4643
variety trials, potatoes 3805
yields
groundnuts 324-325, 1648
potatoes 3805, 4216
soyabeans 3312, 4643
Lactuca floridana
hosts
insects 4434
viruses 4434
tomatoes
hosts of plant diseases 4434
USA 4434
Lactuca sativa *(see* Lettuces)
Lactuca serriola
biology, exudation 554
control, chemical control 3389
hosts, insects 554
Israel 1329
seeds
light 1329
seed germination 1329
temperature 1329
Lagarosiphon major
biology
chlorophyll 1303
leaf area index 1303
photosynthesis 1303
ecology
light 1303
nutrient availability 1303
pH 1303
seasonal variation 1303
temperature 1303
water quality 1303
lakes, New Zealand 1303
Lagascea mollis
control
chemical control 4604
integrated control 4604
physical control 4604
herbicides, residual effects 4604
Lagerstroemia fauriei* × *L. indica
Cassia obtusifolia, USA 3376
Eleusine indica, USA 3376
herbicides
composition 3376
damage 3376
growth rate 3376
pigments 3376
Oenothera laciniata, USA 3376
Lakes
algae
Canada 3018
Netherlands 4294
New Zealand 4308
aquatic weeds
control 2142
distribution 5172
Egypt 5172
habitats 5172
New Zealand 4308
Lakes *cont.*
aquatic weeds *cont.*
nutrient availability 5172
plant communities 5172
Poland 1307
population dynamics 2142
species diversity 5172
surveys 1306
USA 423, 1306
Canada 1070, 1075, 3863, 4051
Ceratophyllum demersum, USA 1306
cyanobacteria, India 4304
Eichhornia crassipes, Zimbabwe 2148
Hydrilla verticillata, USA 3439, 3441
India 857
Juncus bulbosus, Norway 3865
Lagarosiphon major, New Zealand 1303
Myriophyllum, Poland 1307
Myriophyllum alterniflorum, occurrence 4299
Myriophyllum spicatum
plant communities 3863
surveys 1306
USA 1306
Phragmites australis
Austria 2527
Japan 2571
Netherlands 3868
phytoplankton, Canada 3018
Polygonum amphibium, Poland 3015
Potamogeton, Poland 1307
Potamogeton amplifolius, plant communities 3863
Potamogeton perfoliatus, plant communities 3863
Scirpus lacustris, Netherlands 3868
Spain 402
Trapa natans, Italy 4300
Typha, Canada 3867
Vallisneria americana, plant communities 3863
weed control, fishes 857
Lamium
cereals
distribution 3951
population density 3951
soil pH 3951
soil types 3951
control, chemical control 733
vegetables
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Lamium album
Cuscuta europaea
chlorophyll 2128
flowering 2128
growth rate 2128
host parasite relationships 2128
Lithuania 2128
Lamium amplexicaule
control
chemical control 2418, 3811, 4169, 4622
cultural control 2418
oats, plant competition 4622
Vicia sativa, plant competition 4622
wheat, Poland 4169
Lamium hybridum
herbicides
antagonism 3711
application rates 3711
growth rate 3711
synergism 3711
Lamium purpureum
barley
plant competition 480
yields 480
control
chemical control 3811, 4235
physical control 1740
herbicides, bioassays 4235
seeds
buried seeds 1740
light 1740
seed germination 1740
weed control, seed germination 1740
wheat
plant competition 480
yields 480

Lantana camara
biology
chlorophyll 1259
composition 1259, 1677, 3846
essential oils 1259
flavonoids 3846
flowers 3848
fruits 1677
growth rate 3848
leaves 372, 1677, 3848
phenolic compounds 3846
respiration 1259
steroids 3846
sterols 3846
taxonomy 3846
terpenoids 1677
trichomes 372
triterpenoids 3846
water relations 1259
Brassica campestris, hosts of plant diseases 4433
control
biological control 1017, 1677, 4257, 4259, 4714
chemical control 1677, 2531
cultural control 3848
physical control 1677
ecology
air pollution 372
allelopathy 3848
decomposition 3848
distribution 1677, 3911
ecotypes 3846
origin 1677
population density 3911
hosts, fungi 4714
India 372, 2531
lentils, hosts of plant diseases 4433
okras, hosts of plant diseases 4433
Ricinus communis, hosts of plant diseases 4433
seeds, seed germination 1259, 3848
toxicity
cattle 1677
goats 1677, 4268
horses 1677
man 1677
sheep 1677
utilization
composite boards 2107
green manures 2531, 5140
hedgerow plants 1677
indicator plants 372
manures 3848
medicinal plants 1677
Vigna mungo, hosts of plant diseases 4433
Lantana montevidensis
biology
composition 3846
flavonoids 3846
flowering 1254
phenolic compounds 3846
steroids 3846
sterols 3846
taxonomy 3846
triterpenoids 3846
ecology, fire effects 1254
Lapsana
biology
anatomy 2191
chromosomes 2191
morphology 2191
phylogeny 2191
taxonomy 2191
Lapsana communis
barley
population density 494
surveys 494
biology
anatomy 2191
chromosomes 2191
morphology 2191
phylogeny 2191
taxonomy 2191
cereals
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Lapsana communis *cont.*
oats
population density 494
surveys 494
vegetables
distribution 3951
population density 3951
soil pH 3951
soil types 3951
wheat
population density 494
surveys 494
Larch (*see Larix*)
Larix decidua, herbicides, tolerance 2352
Larrea tridentata
deserts, USA 1256
ecology
decomposition 1256
microbial degradation 1256
soil water 1256
temperature 1256
seeds
seed germination 364
soil water 364
USA 364
Lathraea clandestina
biology
chloroplasts 2939
gene expression 2939
genes 2939
genetic variation 2939
genetics 2939
photosynthesis 2939
Lathraea squamaria
biology, disaccharides 841
Poland 841
seeds, composition 841
utilization, medicinal plants 841
Lathyrus, Medicago lupulina, hosts of plant diseases 4849
Lathyrus aphaca
control
chemical control 735, 2817, 2820, 3263
integrated control 2817
physical control 2817
Lathyrus articulatus
ecology
altitude 3950
distribution 3950
habitats 3950
plant competition 3950
soil types 3950
surveys 3950
Latvia
lucerne 2461
potatoes 2461
soyabeans 2461
tomatoes 2461
weed control
barley 3756
cereals 3756
integrated control 3756
Launaea chevalieri
biology
buds 4852
reproduction 4852
roots 4852
vegetative propagation 4852
Cameroon 4852
control
biological control 4852
chemical control 4852
physical control 4852
hosts, fungi 4852
Lavandula angustifolia
herbicides
application date 1247
damage 1247
growth rate 1247
Lavatera, control, chemical control 2500
Lawns and turf
as weeds 358, 449, 481, 546
Digitaria ischaemum, USA 3379
herbicides
anatomy 1242
application date 3842
application equipment 1169
application rates 3380
booms 1169
calibration 1169
Lawns and turf *cont.*
herbicides *cont.*
cytology 1242
damage 1242, 1327, 2893, 3379
drift 1169
environmental impact 1082, 1327
low volume spraying 1169
markers 1169
morphology 1242
nozzles 1169
population density 2893
registration 1119
safety 1169
sprayers 1169
spraying 1160
storage 1169
usage 2092, 2236-2237
Pennisetum clandestinum
plant competition 3381
USA 3381
Plantago major, surveys 2236-2237
Poa annua
chemical control 2521
surveys 2236-2237
Sinapis alba, Sweden 3721
Taraxacum
population density 3842
surveys 3842
Taraxacum officinale, surveys 2237
Trifolium repens
population density 3842
surveys 2236-2237, 3842
Trigonella
population density 3842
surveys 3842
UK 2236-2237
USA 2092, 3031
weed control, energy requirements 3721
weeds
allelopathy 923
biological control 1243
chemical control 1243, 2092, 2742, 3380, 3842, 3891
control 876, 923, 1327, 3891, 4319, 5182
cultural control 1243
ecology 1327
integrated control 3891
physical control 1243
plant competition 923
seed banks 3031
surveys 2236-2237
taxonomy 914
Leafy vegetables, herbicides, residues 2736, 3128
Leeks (*Allium porrum*)
algae
biological control 862
chemical control 862
Czech Republic 3330
herbicides, yields 3330
weed control
economics 1320
environmental impact 1320
selectivity 4987
yields 3330
weeds
biological control 862
chemical control 862
physical control 4987
plant competition 3330
yields 3330
Leersia oryzoides
ecology
population dynamics 5167
salinity 5167
sulfides 5167
Legislation
herbicide residues
atmosphere 1881
Canada 578, 3137
Citrus 4475
contamination 3890
drinking water 135, 138, 247, 1469, 1881, 1972, 2304, 2306, 3123, 3137, 3585, 3598
European Communities 138, 246, 2306, 3123, 3557, 3585, 3598, 3649
foods 883, 3724
groundwater 1881, 3140, 4475

Legislation *cont.*
herbicide residues *cont.*
leaching 3890
precipitation 578
research 2395
soil 3649, 4475
soil water 3649
surface water 578, 1881
UK 246, 3649, 3724
USA 1972, 2304, 3140
water 1972, 3557, 3724
herbicides
almonds 3818
application 4032
application rates 248, 339, 694-696, 1176, 2412
atrazine 1176, 2002, 4030
Australia 4758
Canada 1035
cereals 1888
2,4-D 3754
Denmark 3744, 3754
developing countries 699
dichlorprop 3754
distribution 698
economics 239
environmental impact 243, 1054
Europe 699, 2588, 4591
European Communities 242-243, 697, 2809, 3243, 3649, 4144, 5002, 5004
export controls 698
forests 1973, 2398
France 2844, 3318, 3770
Germany 1175, 2294, 3243, 3262, 3323, 4030, 4032
grain legumes 1888
grapes 2497
Greece 4144
groundnuts 1646
herbicide resistance 5001
import controls 698
importation 1175
international agreements 4998
international trade 4591
Italy 2807, 3117, 3314, 4143
Japan 5000
labelling 241, 781, 1973
lawns and turf 1119
licences 698, 4592
licenses 3725
maize 2002-2003, 2294, 3117, 3770
MCPA 3754
mecoprop 3754
Netherlands 243, 5003
nomenclature 240
nontarget effects 241, 4996
OECD countries 4993
oilseed plants 1888
ornamental plants 4995
packaging 241
patents 3709, 3726
peas 1888, 2807
Philippines 1734
plant breeding 5001
Poland 2399-2401, 2802-2803
politics 239
potatoes 3323
public opinion 2398
registration 243-245, 247, 697, 883, 1035, 1054, 1119, 1646, 1888, 2399-2401, 2406, 2428, 2461, 2497, 2521, 2802-2803, 2807, 2844, 3117, 3243, 3314, 3643, 3744, 3768, 4994, 4997, 4999-5000, 5002-5003
regulation 1733
research 2395
risk 239, 1054
safety 2397, 4984
soil 3649
soil water 3649
soyabeans 3314
Spain 2406, 3242, 3818
storage 3724
Sweden 248
Switzerland 4592
toxicity 3148, 4758, 4996
training 3725
UK 242, 2521, 3643, 3649, 3724, 4326, 4755, 5002

Legislation *cont.*
herbicides *cont.*
USA 239, 339, 869, 1035, 1054, 1119, 1646, 1904, 1974, 2396-2397, 2428, 3141, 3244, 3304, 4994
usage 869, 1974, 2313, 4030, 4143-4144
water quality 241
watersheds 3262, 3323
weed control 1978
Australia 4756
CAP 4757
Cyperus esculentus 950
economics 1581
Netherlands 950
New Zealand 1581
research 2395
USA 2394, 2396, 3244
weeds 1978
Australia 2966, 3034
CAP 4757
Cyperus esculentus 950
gene flow 17
genetic transformation 506
Germany 2595
introduction 4395
invasion 3893
Israel 2976
Netherlands 950
occurrence 17
Orobanche 2966, 2976
poisonous weeds 2595
Raphanus raphanistrum 3034
research 2395
spread 4398
USA 2394, 2396, 4395

Legumes
Alectra
development 398
host parasite relationships 398
resistance 398
seed germination 398
Brazil 306
Denmark 972
Germany 497
herbicides
adjuvants 4640
application date 4640
application rates 4640
establishment 2844
selectivity 2844
surfactants 4640
yields 4640
Malaysia 3030
New Zealand 4613
Orobanche
economic thresholds 2859
host parasite relationships 2854, 2859
resistance 2854
yields 2859
Orobanche crenata
economic thresholds 2859
host parasite relationships 2854, 2858-2859
resistance 2854
yields 2858-2859
Orobanche foetida
host parasite relationships 2858
yields 2858
Poland 4640
Rhinanthus minor
flowers 2124
growth rate 2124
host parasite relationships 2123-2124
nutrient availability 2123
nutrient content 2124
plant height 2124
seeds 2124
Sweden 2123-2124
Striga
development 398
host parasite relationships 398
resistance 398
seed germination 398
Striga gesnerioides
host parasite relationships 3429
resistance 3429
weeds
chemical control 2844
control 5182

Legumes *cont.*
weeds *cont.*
population density 972
Leguminosae (*see* Fabaceae)
Lemna
biology, growth rate 3435
seeds, seed germination 3435
utilization
aquaculture 404
feeds 404, 3434
indicator plants 3435
Lemna aequinoctialis
biology
flowers 1298
plant growth regulators 1298
translocation 1298
ecology
cadmium 5164
iron 5164
nutrient uptake 5164
Lemna gibba
biology
amino acids 4283
aromatic hydrocarbons 1295
chlorosis 1295
composition 2138, 2555
copper 2555
enzymes 2555, 4298
flowering 2138
flowers 1298
gene expression 847
growth rate 1295, 1703, 1820, 2145
identification 2575
light 847, 1295, 1703
metabolic inhibitors 4298
morphology 1703, 1820
naphthalene 1295
photoperiodism 2138
photosystem II 4298
phytochrome 847
plant growth regulators 847, 1298, 1820, 2145
proteinases 4298
proteins 4283, 4298
proteolysis 4298
superoxide dismutase 2555
translocation 1298
zearalenone 2138
control, chemical control 1295
ecology
algae 4283
carbon dioxide enrichment 1703
glucose 1703
habitats 1299
nitrogen 1703
nutrient availability 1299, 1703
plant competition 4290
water quality 1299
weed associations 1299
herbicides
application rates 4285
carotenoids 4285
growth rate 4285
nutrient availability 4285
pigments 4285
selectivity 4285
uptake 4285
utilization, waste water treatment 4283, 4290
Lemna minor
Ailanthus altissima, allelopathy 4713
biology
amino acids 1702
cadmium 1702
callus 2134
chlorophyll 1921
chloroplasts 2149
composition 2134, 2149, 2554, 4743
copper 2554, 3012
DNA 1702
enzymes 2134
fatty acids 4743
β-fructofuranosidase 2134
glycine 1702
glycolipids 4743
growth rate 1703, 1921, 2134, 2554, 3012, 4742
identification 2575
leaves 1921
light 1703
lipids 408, 1702, 2149, 4743

Lemna minor *cont.*
biology *cont.*
morphology 1703
nutrient uptake 1702
nutrients 2134
phospholipids 4743
photosynthesis 1921
plant growth regulators 408
proteins 1702
respiration 1921
starch 2134
sucrose synthase 2134
sugars 2134
sulfonates 1702
thylakoids 2149
tissue culture 2134
vesicles 2149
zinc 3012
Canada 4742
ecology
algae 4742
allelopathy 1921
bacteria 4742
carbon dioxide enrichment 1703
decomposition 4742
epiphytes 4742
glucose 1703
habitats 1299
heavy metals 3012
light 4742
nitrogen 1703
nutrient availability 1299, 1703, 2134, 4742
nutrient uptake 1302
oxygen 4742
seasonal variation 4742
temperature 4742
water quality 1299
weed associations 1299
herbicides
chlorophyll 2558
growth rate 2558, 3436
leaves 2558
uptake 2558
utilization
indicator plants 2554
waste water treatment 3012
water reservoirs
heavy metals 5166
nutrient uptake 5166
seasonal variation 5166
Lemna paucicostata
biology
composition 2132
enzymes 2132
growth rate 1820
morphology 1820
phosphoric diester hydrolases 2132
plant diseases 3221
plant growth regulators 1820
control, biological control 3016, 3221
herbicides
bioassays 3016
chlorophyll 3016, 3221
composition 3016
growth rate 3016
light 3221
membrane permeability 3016, 3221
pigments 3016
plasma membranes 3221
sphingolipids 3221
Lemna polyrhiza *(see Spirodela polyrhiza)*
Lemna trisulca
biology
cadmium 1292
composition 4743
fatty acids 4743
glycolipids 4743
growth rate 1292
lipids 4743
phospholipids 4743
ecology
nutrient availability 1292
nutrient uptake 1292
Lemna turionifera
biology
buds 2575
identification 2575
pigments 2575
ecology
distribution 2575
Lemna turionifera *cont.*
ecology *cont.*
spread 2575
water quality 2575
weed associations 2575
Lemnaceae, biology, identification 2575
Lemons (*Citrus limon*)
herbicides
quality 4672
yields 4672
India 3817
USA 4672
weed control
growth rate 3817
quality 4672
yields 4672
Lenacil
application
application methods 4119
soil injection 4119
application date, sugarbeet 2310
application rates
barley 329
sugarbeet 2310, 2508
control
Abutilon theophrasti, sugarbeet 2069
Amaranthus retroflexus, sugarbeet 2069
Ammi majus, sugarbeet 2069
Chenopodium, sugarbeet 2069
Chenopodium album, Chenopodium quinoa 295
Convolvulus arvensis, sugarbeet 2069
Cuscuta campestris, sugarbeet 2069
Fallopia convolvulus, sugarbeet 1658
Polygonum aviculare, sugarbeet 1658, 2069, 2508
Polygonum latifolium, sugarbeet 2069
Polygonum persicaria, sugarbeet 2069
Solanum nigrum, sugarbeet 2069
weeds
Chenopodium quinoa 295
spinach 5068
sugarbeet 329, 1653, 1968, 2508, 5027
damage
barley 329
Chenopodium quinoa 295
erosion, barley 329
interactions
herbicides 2069, 2310, 4119
insecticides 637
leaves, sugarbeet 1524
morphology, sugarbeet 1524
nontarget effects, fungi 3602
residual effects
broccoli 5068
cucumbers 5068
Phaseolus vulgaris 5068
spinach 5068
residues
Melissa officinalis 2733
soil 637, 2310, 4119
sugarbeet 2310
roots, sugarbeet 1524
soil, microorganisms 637
sprayers, sugarbeet 1658
toxicity, fungi 3602
tubers, sugarbeet 1524
yields
broccoli 5068
cucumbers 5068
Phaseolus vulgaris 5068
spinach 5068
sugarbeet 1653, 1968, 5027
Lens culinaris *(see* Lentils)
Lens esculenta *(see* Lentils)
Lentils (*Lens culinaris*)
Amaranthus blitum, hosts of plant diseases 4433
Anagallis arvensis subsp. *foemina,* surveys 3954
Anchusa azurea, surveys 3954
Antirrhinum majus, surveys 3954
Avena sterilis, surveys 3954
Canada 277, 1216, 2475
Cassia tora, hosts of plant diseases 4433
Chenopodium album, USA 2797
Convolvulus althaeoides, surveys 3954
Convolvulus arvensis, surveys 3954
Lentils *cont.*
Cynodon dactylon, surveys 3954
endives, as weeds, surveys 3954
herbicides
application date 2797
application rates 1216, 2453, 2797, 4647
composition 3206
damage 1216, 2453, 2475, 2793, 2797, 4648
drift 2453
economics 4185, 4647
emergence 2793
light 2793
nutrient content 3206
population density 2475
population dynamics 277
rain 2797
residual effects 4185
seed germination 2453, 2793
seed production 2475
seed weight 2453
species diversity 277
tolerance 1216, 2453, 2475
yields 1216, 2453, 2475, 4185, 4648
India 4185, 4433
Jordan 1775
Lantana camara, hosts of plant diseases 4433
Lolium rigidum, surveys 3954
Medicago lupulina, hosts of plant diseases 4849
Orobanche
damage 2933
host parasite relationships 2859, 2933
Orobanche crenata
host parasite relationships 2852, 2975
seed banks 761
Syria 2975
Orobanche ramosa, host parasite relationships 2851
parasitic weeds, host parasite relationships 879
Parthenium hysterophorus, hosts of plant diseases 4433
Phalaris brachystachys, surveys 3954
Poaceae, Jordan 4648
Poland 3206
Scorpiurus muricatus, surveys 3954
Sesbania grandiflora, hosts of plant diseases 4433
Sinapis arvensis, surveys 3954
Striga gesnerioides
host parasite relationships 3429
resistance 3429
Thlaspi arvense, USA 2797
USA 2453, 3317, 5026
Vaccaria hispanica, surveys 3954
weed control
application date 3317
economics 4185
population density 2475
population dynamics 277
seed production 5026
species diversity 277
yields 2475, 3317, 4185, 5026
weeds
control 305, 3746
growth rate 1775
occurrence 3746
plant competition 1775, 3317, 5026
population density 3317
seed weight 1775
yield components 1775
yields 1775, 3317
Xanthium strumarium, hosts of plant diseases 4433
Leonotis nepetaefolia
biology
flowers 1347
hybridization 1347
morphology 1347
nectar 1347
pollination 1347
reproduction 1347
seeds, seed production 1347
Leonurus sibiricus, seeds, seed germination 890
Lepidium
biology
enzymes 3917

Lepidium *cont.*
biology *cont.*
polypeptides 3917
ribulose-bisphosphate carboxylase 3917
taxonomy 3917
Lepidium draba (*see Cardaria draba*)
Lepidium perfoliatum
ecology
disturbed land 2169
introduction 2169
population dynamics 2169
seeds
seed banks 2169
seed dormancy 2169
seed predation 2169
Lepidium sativum (*see* Cress)
Lepidium virginicum
ecology, soil pollution 2632
railways, spread 2632
Leptochloa
hosts
insects 1851
mites 1851
sugarcane, hosts of plant pests 1851
Leptochloa caerulescens
control
chemical control 1609
physical control 1609
Leptochloa chinensis
control
chemical control 4188, 4191, 5048
cultural control 4188
physical control 4191, 5048
ecology, distribution 4188
herbicides
nitrogen 4191
nutrient uptake 4191
rice
chemical control 4188
plant competition 4188
surveys 4815
weed control
nitrogen 4191
nutrient uptake 4191
Leptochloa dubia
Calamintha asheri
allelopathy 1784
growth rate 1784
seed germination 1784
terpenoids 1784
Ceratiola ericiodes
allelopathy 1784
growth rate 1784
seed germination 1784
terpenoids 1784
Chrysoma pauciflosculosa
allelopathy 1784
growth rate 1784
seed germination 1784
terpenoids 1784
Conradina canescens
allelopathy 1784
growth rate 1784
seed germination 1784
terpenoids 1784
Leptochloa fascicularis
control
chemical control 1202, 3452
cultural control 1202
rice
growth rate 40
plant competition 40
plant height 40
USA 40
yields 40
USA 3452
Leptochloa filiformis
control, chemical control 3452
USA 3452
Leptochloa panicea, ecology, distribution 4188
Lespedeza bicolor
ecology 5110
forests, chemical control 5110
herbicides, tolerance 341
USA 341
utilization 5110
weeds, plant competition 341
Lespedeza striata
ecology
flooding 4812
habitats 4812
Rhizobium 4812
survival 4812
Japan 4812
seeds
seed banks 4812
seed germination 4812
Lespedeza thunbergii
herbicides, tolerance 341
USA 341
weeds, plant competition 341
Lettuces (*Lactuca sativa*)
algae
biological control 862
chemical control 862
Amaranthus spinosus
fertilizers 2207, 2209
phosphorus 2207, 2209
plant competition 2207, 2209
population density 2207, 2209
USA 2207
yields 2207, 2209
as weeds
Pinus pinaster
allelopathy 2581
development 2581
growth rate 2581
seed germination 2581
sunflowers
allelopathy 2340
seed germination 2340
Belgium 3335
Chenopodium album
allelopathy 485
growth rate 485
seed germination 485
Cyperus rotundus, Italy 771
Cytisus scoparius
allelopathy 3394
growth rate 3394
roots 3394
soil types 3394
herbicides
application rates 3741
drift 4657
residues 4657
seed germination 3810
selectivity 3741
tolerance 3741
yields 3335, 3810
Imperata cylindrica
allelopathy 2665
cell division 2665
growth rate 2665
seed germination 2665
Italy 767
Portugal 5016
South Africa 3810, 4657
weed control
nutrient uptake 3335
temperature 3335
yields 3335, 3810, 4657, 5016
weeds
biological control 862
chemical control 721, 862, 4657
control 1588
Leucaena leucocephala
Brazil 283
utilization, mulches 4215
Leucanthemum vulgare
cereals
population density 4399
surveys 4399
control
chemical control 4197
cultural control 3300
Cyperus esculentus, USA 1248
Eclipta alba, USA 1248
ecology
cycling 3927
decomposition 3927
nutrient content 3927
herbicides
damage 1248
flowering 1248
resistance 4399
tolerance 1248
Leucanthemum vulgare *cont.*
oats
population density 4399
surveys 4399
utilization, green manures 3927
wheat
population density 4399
surveys 4399
Leucas aspera
control
chemical control 4631
integrated control 4631
physical control 4631
rice
plant competition 4631
yields 4631
utilization, medicinal plants 709
Leucas martinicensis
cereals
population dynamics 4384
soil fertility 4384
maize
population dynamics 4384
soil fertility 4384
Leucojum aestivum
ecology
introduction 2674
invasion 2674
Leymus cinereus, Bromus tectorum, plant competition 1
Ligustrum japonicum
ecology 5110
forests, chemical control 5110
utilization 5110
Ligustrum sinense
ecology 5110
forests, chemical control 5110
utilization 5110
Lilium
Conyza canadensis, USA 2896
Digitaria sanguinalis, USA 2896
Euphorbia humistrata, USA 2896
herbicides
development 2896
flowering 2896
growth rate 2896
tolerance 2896
Lima beans (*see Phaseolus lunatus*)
Lime trees (*see Tilia*)
Limnanthes alba
herbicides
damage 4234
tolerance 4234
New Zealand 4234
Limnobium spongia
biology
composition 4743
fatty acids 4743
geotropism 854
glycolipids 4743
lipids 4743
phospholipids 4743
roots 854
Limnophila heterophylla
biology
composition 4736
triterpenoids 4736
Linaria dalmatica, control, biological control 1442, 2455
Linaria vulgaris
biology
development 4343
flowers 4343
growth 4343
history 4343
hybridization 4343
identification 1758, 4343
morphology 4343
nomenclature 1758, 4343
reproduction 4343
vegetative propagation 4343
control
biological control 2455
chemical control 4343
ecology
climate 4343
distribution 4343
habitats 4343
mycorrhizas 4343
phenology 4343
plant communities 4343

Linaria vulgaris *cont.*
ecology *cont.*
population dynamics 4343
spread 1758
economics 4343
hosts
insects 4343
microorganisms 4343
viruses 4343
seeds
seed dispersal 4343
seed germination 4343
seed production 4343
viability 4343
utilization, medicinal plants 1758
Lindernia
biology
identification 3488
taxonomy 3488
Lindernia dubia
biology
cleistogamy 2261
flowers 2261
morphology 2261
ecology, light 2261
rice, Japan 2261
seeds, seed dispersal 2261
Lindernia procumbens
biology, emergence 4632
control, chemical control 1608, 3055, 4334, 4632
ecology
population density 3055
seasonal variation 4632
herbicides
seed banks 4334
seed production 4334
seeds
buried seeds 3055
seed banks 3055, 4334
seed production 4334
Linseed (*Linum usitatissimum*)
herbicides
application rates 3741
economics 1984, 2873
selectivity 3741
tolerance 3741
yield components 321, 2873
yields 321, 2873
India 321, 784, 1792, 2873
Orobanche crenata, seed banks 761
weed control
economics 784, 1320, 2873
environmental impact 1320
seed production 784
yield components 321, 2873
yields 321, 784, 2873
weeds
chemical control 1225
control 3746
occurrence 3746
plant communities 1792
weed associations 1792
yields 1225
Linum usitatissimum (*see* Flax; Linseed)
Linuron
amino acids, carrots 3691
analytical methods 3615
chromatography 3571, 4576
dialysis 3568
electrophoresis 3571
extraction 4863
liquid chromatography 122, 3568, 4863
mass spectrometry 122, 4863
application, surfactants 4576
application date
carrots 1632
Pimpinella anisum 4702
potatoes 313, 4216
sorghum 2434
sunflowers 785, 2061
wheat 143, 4482
application methods, potatoes 313, 4216
application rates
Amaranthus hybridus 3076
carrots 1632
maize 3265
potatoes 313, 4216
sorghum 2434
soyabeans 3265

Linuron *cont.*
application rates *cont.*
wheat 3265
chemistry, synthesis 4057
composition
carrots 3691
sage 3384
control
Amaranthus hybridus 3076
Amaranthus powellii, sunflowers 2061
Amaranthus retroflexus
maize 1590, 2826
peas 1590
potatoes 1590
sunflowers 1590
tobacco 1590
tomatoes 1590
Ambrosia artemisiifolia, sunflowers 2061
Anagallis arvensis, Pimpinella anisum 4702
Anthemis arvensis, potatoes 2221
Capsella bursa-pastoris
carrots 1632
Coriandrum sativum 4252
Chenopodium album
carrots 1632
Coriandrum sativum 4252
Pimpinella anisum 4702
potatoes 2221, 4216
Cirsium arvense, potatoes 2221
Convolvulus arvensis, Coriandrum sativum 4252
Echinochloa crus-galli
carrots 1632
maize 2826
potatoes 2221, 4216
sunflowers 2061
Elymus repens, potatoes 2221
Fallopia convolvulus
oats 4622
potatoes 4216
Vicia sativa 4622
Fumaria officinalis
oats 4622
Vicia sativa 4622
Galinsoga parviflora, potatoes 2221
Kochia scoparia, sorghum 2434
Lamium amplexicaule
oats 4622
Vicia sativa 4622
Lamium purpureum, Coriandrum sativum 4252
Melilotus indica, Pimpinella anisum 4702
Phalaris canariensis, Pimpinella anisum 4702
Poaceae, potatoes 313
Polygonaceae, potatoes 2221
Polygonum aviculare
maize 1590
oats 4622
peas 1590
Pimpinella anisum 4702
potatoes 1590
sunflowers 1590
tobacco 1590
tomatoes 1590
Vicia sativa 4622
Sinapis arvensis, potatoes 2221
Solanum nigrum
maize 1590
peas 1590
potatoes 1590
sunflowers 1590
tobacco 1590
tomatoes 1590
Stellaria media
barley 2257
potatoes 2221
wheat 2257
Striga gesnerioides
maize 4279
sorghum 4279
Striga hermonthica
maize 4279
sorghum 4279
sunflowers, as weeds, sunflowers 2062
Viola arvensis, potatoes 4216

Linuron *cont.*
control *cont.*
weeds
asparagus 772
chickpeas 2476
Coriandrum sativum 295, 4252
Foeniculum vulgare 3336
leeks 3330
Limnanthes alba 4234
Lupinus albus 2463
maize 1590, 2826, 3265
oats 4622
peas 1590, 2041
Pimpinella anisum 4702
potatoes 313, 1590
soyabeans 3265
sunflowers 1590, 2061
tobacco 1590
tomatoes 1590
triticale 5029
Vicia sativa 4622
wheat 3265
cross resistance, *Abutilon theophrasti* 1810
damage
asparagus 772
carrots 1632
Limnanthes alba 4234
Lupinus albus 2462
oats 4622
Pimpinella anisum 4702
sage 3384
sugarbeet 2074
sunflowers 785
Vicia sativa 4622
economics, carrots 1632
energy relations
maize 3265
soyabeans 3265
triticale 5029
wheat 3265
enzymes, peas 2041
essential oils, sage 3384
growth rate
Coriandrum sativum 295, 4252
soyabeans 1928
sunflowers 2061
interactions
herbicides 2061, 2826, 4019, 5029
surfactants 4576
legislation, Italy 2807
light, wheat 2360
mode of action 313
Striga gesnerioides 4279
Striga hermonthica 4279
mycorrhizas, soyabeans 1928
nitrogenase, peas 2041
nodulation, peas 2041
nontarget effects, aquatic invertebrates 4057
nutrient uptake, wheat 2360
photosynthesis
almonds 3818
Striga gesnerioides 4279
Striga hermonthica 4279
wheat 2360
photosystem II
Striga gesnerioides 4279
Striga hermonthica 4279
plant height, sunflowers 2061
population density, *Coriandrum sativum* 4252
population dynamics
oats 4622
Vicia sativa 4622
properties, heat stability 1864
quality, sage 3384
rain, sunflowers 785
registration, Italy 2807
residual effects 2476
almonds 3818
sugarbeet 2074
residues
atmosphere 3578
drinking water 4863
groundwater 122, 3592, 3655, 4863
precipitation 3578
river water 122, 3568
sediment 1864
soil 629, 1082, 1100, 2041, 2074, 3615, 3622, 3655, 3818

Linuron *cont.*
residues *cont.*
soil water 629, 3655
surface water 629, 3592, 4863
tap water 122, 3568
water 3568
wheat 143, 4482
resistance
Abutilon theophrasti 1810
Alopecurus myosuroides 1123
Amaranthus hybridus 3076
Chenopodium album 4216
root nodules, soyabeans 1928
roots, carrots 3691
seed germination
Striga gesnerioides 4279
Striga hermonthica 4279
seed weight, *Lupinus albus* 2462
seeds, wheat 4482
selectivity
asparagus 772
sunflowers 785, 2061
soil
bacteria 1100, 2041
biodegradation 1100, 3615
chemical degradation 3615
climate 3655
fungi 2041
leaching 1082, 3655
microbial degradation 3615
microorganisms 2041
movement 3655
organic matter 3615
oxygen 3615
persistence 1082
pH 3615
photolysis 1082
Rhizobium 2041
runoff 629
soil types 3615
soil water 3615
sorption 1082, 3622
temperature 3615
volatilization 1082
sucrose, wheat 2360
tolerance
almonds 3818
chickpeas 2476
Limnanthes alba 4234
Lupinus albus 2462
oats 4622
Valeriana officinalis 4250
Vicia sativa 4622
toxicity
aquatic invertebrates 4057
fishes 4905
variety trials, wheat 4482
yield components, *Foeniculum vulgare* 3336
yields
Foeniculum vulgare 3336
leeks 3330
Lupinus albus 2462-2463
maize 3265
peas 2041
potatoes 4216
soyabeans 3265
sunflowers 785, 2061
triticale 5029
wheat 3265
Lippia nodiflora
control
chemical control 4629
physical control 4629
Liquidambar styraciflua
biology, growth rate 45
control
chemical control 351-352, 820-821, 5128, 5137
cultural control 352
integrated control 352
physical control 351
ecology
light 45
nutrient availability 45
plant competition 45
population density 45
water relations 45
forests, plant competition 821
herbicides
application date 820-821, 5137
Liquidambar styraciflua *cont.*
herbicides *cont.*
carriers 820, 5137
economics 821
tree injection 821
Lonicera japonica
dry matter distribution 5131
growth rate 5131
nitrogen 5131
photosynthesis 5131
plant competition 5131
stomata 5131
USA 5131
Parthenocissus quinquefolia
dry matter distribution 5131
growth rate 5131
nitrogen 5131
photosynthesis 5131
plant competition 5131
stomata 5131
USA 5131
Pinus taeda
growth rate 351-352
plant competition 351-352
plant height 351
yields 351
USA 45, 5128, 5137
weed control, population density 3372
Liriope, herbicides, damage 5123
Liriope muscari
herbicides
application rates 1239-1240
damage 1239
surfactants 1240
tolerance 1239-1240
Lithuania
Aegopodium podagraria, Cuscuta europaea 2128
barley, *Sinapis arvensis* 3763
flora 4772
Fraxinus excelsior, Cuscuta europaea 2128
herbicides
barley 3767
rye 3767
Lamium album, Cuscuta europaea 2128
raspberries, *Cuscuta europaea* 2128
Solidago canadensis, Cuscuta europaea 2128
Urtica dioica, Cuscuta europaea 2128
water reservoirs 2568
Littorella uniflora
biology
growth rate 2136, 3865
morphology 1704
nutrient uptake 3865
roots 1704
ecology
acid rain 3865
acidification 2136
light 1704
liming 3865
nutrient availability 1704
oxygen 1704
plant competition 3865
population dynamics 3865
rhizosphere 1704
Lobelia dortmanna
biology
growth rate 2136, 3865
guttation 1700
mass flow 1700
nutrient uptake 3865
root pressure 1700
temperature 1700
translocation 1700
transpiration 1700
transport processes 1700
xylem 1700
ecology
acid rain 3865
acidification 2136
liming 3865
plant competition 3865
population dynamics 3865
temperature 1700
water relations 1700
Loblolly pine (*see Pinus taeda*)
Lobularia maritima
urban areas
establishment 2612
Lobularia maritima *cont.*
urban areas *cont.*
spread 2612
temperature 2612
Lodgepole pine (*see Pinus contorta*)
Lolium
Canada 5082
control, chemical control 263
herbicides
application date 3793
bioassays 4512
growth rate 4512
yields 3793
Russia 3793
sugarbeet
surveys 499
weed associations 499
sunflowers
surveys 499
weed associations 499
weeds, population density 3793
wheat
surveys 499
weed associations 499
Lolium multiflorum
biology
composition 2403
evolution 3077
Capsella bursa-pastoris
emergence 3902
seed dormancy 3902
soil types 3902
soil water 3902
control
chemical control 278, 1451, 1574, 2807, 3077, 4610
cultural control 278, 4639
integrated control 278
physical control 3077, 4639
ecology
biotypes 3077
emergence 3077
Nematoda 4813
seasonal variation 3077
herbicides
acetyl-CoA carboxylase 1143
application date 4610
application rates 4500
bioassays 1451, 4500
enzymes 1143
growth rate 4500
resistance 3077
surfactants 1574
tolerance 1143
Poland 46
seeds
seed banks 3077
seed dormancy 3077
seed germination 3077
temperature 3077
Stellaria media, Poland 296
toxicity, Nematoda 4813
Urtica dioica, Poland 296
USA 3077
weeds, population density 46
wheat, USA 278
Lolium perenne
pastures, Japan 4637
barley
fertilizers 481
plant competition 481
population density 481
yields 481
biology
carbon pathways 508
development 899
growth rate 508
photosynthesis 508
pollen 374, 5145
roots 508
transpiration 508
water relations 508
broccoli
control 2656
economic thresholds 2656
plant competition 2656
population density 2656
USA 2656
yields 2656
Canada 5035

Lolium perenne *cont.*
Carduus nutans
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
Cerastium glomeratum, population dynamics 4637
cherries
growth rate 778
plant competition 778
transpiration 778
UK 344
yields 778
Cirsium arvense, New Zealand 5060
control
chemical control 1244, 1565, 1618-1619, 3021, 3304
cultural control 1618-1619, 3304
integrated control 1618, 3304
physical control 1618, 2581
Cynodon dactylon
plant competition 1244
USA 1244
Cyperus esculentus, USA 4700
Digitaria, seed contamination 3906
Digitaria ciliaris, population dynamics 4637
Digitaria ischaemum, USA 3378
Digitaria sanguinalis, USA 2894
ecology
grazing 2659
insects 2659
plant competition 2659
Elymus repens
allelopathy 4378
growth rate 4378
roots 4378
grasslands, USA 1618
herbicides
application date 812, 3741
application methods 3741
application rates 812, 3378, 3741, 4700
chloroplasts 1543
damage 812, 1543, 4700
decomposition 639
enzymes 1543
growth rate 3021, 3381, 3741
light 1543
quality 4700
resistance 3741
ribulose-bisphosphate carboxylase 1543
seed germination 3021
seed production 1619
selectivity 3741
species diversity 4195
ultrastructure 1543
yields 1205, 1619
hosts
fungi 755
insects 2659
Hydrocotyle, population dynamics 4637
maize, allelopathy 3021
New Zealand 639, 755, 4195
Pennisetum clandestinum
plant competition 3381
USA 3381
Persicaria longiseta, population dynamics 4637
Pinus pinaster
allelopathy 2581
development 2581
growth rate 2581
seed germination 2581
Poa annua
chemical control 2521
invasion 3053
USA 2091
Poa pratensis, population dynamics 4637
Poland 297, 300
Rhinanthus alectorolophus
host parasite relationships 2988
Switzerland 2988
seed crops, USA 1618
seeds
inhibitors 899

Lolium perenne *cont.*
seeds *cont.*
seed banks 755
seed germination 899
Senecio jacobaea
allelopathy 2113
growth stages 2113
toxicity
allergens 374, 5145
man 374, 5145
UK 968
USA 812, 1619
weed control
composition 300
population dynamics 297
yields 300
weeds
integrated control 4635
plant competition 1619
population dynamics 4637
seed contamination 3906
Zoysia japonica
plant competition 1244
USA 1244
Lolium rigidum
barley, surveys 3954
Belgium 1158
chickpeas, surveys 3954
control
chemical control 1158, 1209, 2487, 3768, 4614
integrated control 4614
ecology
biotypes 983, 1124, 1130, 1807, 2253, 2684
soil types 3954
surveys 3954
faba beans, surveys 3954
herbicides
acetyl-CoA carboxylase 197
antagonism 197
cross resistance 1807, 2253, 2684
cytochrome P-450 1124
damage 1124
degradation 196, 1124, 1130, 1807
enzymes 197, 1124, 1130
growth rate 1124, 1130
membrane potential 196-197
mitosis 2684
mode of action 197, 1124
rain 1158
relative humidity 1158
resistance 196, 983, 1124, 1130, 1807, 2253, 2684, 3990, 4614
seed germination 1130
translocation 2684
uptake 2684
hosts
bacteria 3990
fungi 546
Nematoda 3990
lentils, surveys 3954
maize, surveys 3954
oats, Australia 3768
sugarbeet, surveys 3511
wheat
chemical control 4614
integrated control 4614
surveys 3954
Lolium temulentum
biology
fructans 2905
gene expression 2905
light 2905
sucrose 2905
temperature 2905
Lonicera
control
chemical control 4693, 4707
physical control 4693
herbicides
aerial application 4707
application methods 4707
susceptibility 4693
Lonicera japonica
biology
dry matter distribution 2105
growth rate 2105
ecology 5110
herbivores 2105
invasion 2105

Lonicera japonica *cont.*
forests
chemical control 5110
colonizing ability 1253
distribution 1253
invasion 1253
plant succession 1253
population density 1253
USA 1253
Liquidambar styraciflua
dry matter distribution 5131
growth rate 5131
nitrogen 5131
photosynthesis 5131
plant competition 5131
stomata 5131
USA 5131
USA 2105
utilization 5110
Lonicera sempervirens
biology
dry matter distribution 2105
growth rate 2105
ecology, herbivores 2105
USA 2105
Lonicera tatarica
ecology, invasion 1255
forests
invasion 1255
light 1255
plant communities 1255
plant competition 1255
population density 1255
species diversity 1255
USA 1255
Lophochloa phleoides, hosts, fungi 546
Loranthaceae
Acacia
host parasite relationships 5155
nutrient content 5155
biology
flowering 3858
fruiting 3858
identification 3858
Combretum
host parasite relationships 5155
nutrient content 5155
ecology
distribution 3858, 5155
habitats 3858
host parasite relationships 3858
nitrogen 5155
nutrient availability 5155
species diversity 5155
forests
host parasite relationships 5155
nutrient content 5155
fynbos
host parasite relationships 5155
nutrient content 5155
Maytenus
host parasite relationships 5155
nutrient content 5155
Rhus
host parasite relationships 5155
nutrient content 5155
savannas
host parasite relationships 5155
nutrient content 5155
shrubs
host parasite relationships 5155
nutrient content 5155
Lotus corniculatus
Chenopodium, Czech Republic 1623
Cirsium arvense, Czech Republic 1623
control, biological control 4224
cranberries
fruits 1395
pigments 1395
plant competition 1395
population density 1395
quality 1395
size 1395
USA 1395
yields 1395
herbicides
damage 1622-1623, 2784
establishment 4203
plant height 1622
seed production 3308
tolerance 2784

Lotus corniculatus *cont.*
herbicides *cont.*
yield components 4203
yields 1622, 3308
Hieracium pilosella
growth rate 37
plant competition 37
Hieracium praealtum
growth rate 37
plant competition 37
Hungary 3308
Medicago lupulina, hosts of plant diseases 4849
New Zealand 4203
USA 1622
weeds, plant competition 1622
Lotus major *(see Lotus uliginosus)*
Lotus pedunculatus *(see Lotus uliginosus)*
Lotus uliginosus
weeds
allelopathy 3498
growth rate 3498
nodulation 3498
plant pathogens 3498
root hairs 3498
roots 3498
seed germination 3498
Lucerne (*Medicago sativa*)
Abutilon theophrasti
allelopathy 3058
emergence 3058
growth rate 3058
seed germination 3058
survival 3058
Amaranthus
hosts of plant diseases 93
Spain 93
Amaranthus retroflexus
allelopathy 3058, 4539
emergence 3058
growth rate 3058, 4539
saponins 4539
seed germination 3058
survival 3058
as weeds
control, chemical control 4752
herbicides, adjuvants 4752
Asphodelus fistulosus
surveys 4806
yields 4806
Australia 756
Belarus 2461
Bromus secalinus
allelopathy 4539
growth rate 4539
saponins 4539
Canada 2454, 3303, 4567
Carduus acanthoides
Argentina 486
plant competition 486
Carduus nutans
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
Chenopodium album
allelopathy 3058
emergence 3058
growth rate 3058
seed germination 3058
survival 3058
Cirsium arvense
allelopathy 3058
emergence 3058
growth rate 3058
seed germination 3058
survival 3058
Convolvulus arvensis
surveys 4806
yields 4806
Cuscuta trifolii, host parasite relationships 5162
Cynodon dactylon
plant competition 4806
surveys 4806
yields 4806
Cyperus rotundus
surveys 4806

Lucerne *cont.*
Cyperus rotundus cont.
yields 4806
Datura
hosts of plant diseases 93
Spain 93
Datura fastuosa
surveys 4806
yields 4806
Digitaria sanguinalis
allelopathy 3058
emergence 3058
growth rate 3058
seed germination 3058
survival 3058
Echinochloa colonum
surveys 4806
yields 4806
Echinochloa crus-galli
allelopathy 4539
growth rate 4539
saponins 4539
Egypt 3347-3350
Elymus repens
allelopathy 1114
seed germination 1114
USA 1621
herbicides
application date 1621
application rates 1621, 3307, 4224
bioassays 577, 2366
cell culture 1148
chlorophyll 2366
damage 1622, 2454, 3307, 4224
degradation 200
desiccation 4638
drift 3307
economics 3306
embryos 1148
enzymes 1148
growth rate 4201, 4224
light 2366
nectar 4567
nodulation 4201
phenolic compounds 1148
photosynthesis 2366
photosystem II 2366
plant height 1622
population density 3306
quality 1621, 3306
residual effects 577, 2454
seed germination 577
seed production 2460, 4638
shikimic acid 1148
sugars 4567
susceptibility 2366
thylakoids 2366
tolerance 200, 577, 1148, 2461
yield components 2460
yields 1621-1622, 2454, 2460, 3303, 3306, 4201, 4638
Kazakhstan 2461
Kyrgyzstan 2461
Latvia 2461
Medicago lupulina, hosts of plant diseases 4849
Mexico 4202
Moldova 2461
New Zealand 2460
Nicotiana alba
hosts of plant diseases 93
Spain 93
Odontites rubra
growth rate 3427
host parasite relationships 3427
light 3427
nutrient availability 3427
plant competition 3427
roots 3427
Polygonum aviculare
allelopathy 3058
emergence 3058
growth rate 3058
Italy 1853
seed germination 3058
survival 3058
Raphanus raphanistrum, chemical control 3034
Rhinanthus serotinus
growth rate 3427
host parasite relationships 3427

Lucerne *cont.*
Rhinanthus serotinus cont.
light 3427
nutrient availability 3427
plant competition 3427
roots 3427
Russia 2461
Schouwia thebaica
surveys 4806
yields 4806
Senecio jacobaea
allelopathy 2113
growth stages 2113
Sesbania exaltata
allelopathy 4539
growth rate 4539
saponins 4539
Setaria faberi
allelopathy 3058
emergence 3058
growth rate 3058
seed germination 3058
survival 3058
Setaria verticillata
surveys 4806
yields 4806
Tajikistan 2461
Taraxacum officinale
allelopathy 4539
growth rate 4539
saponins 4539
Tribulus terrestris
plant competition 4806
surveys 4806
yields 4806
Turkmenistan 2461
Ukraine 2461
USA 1622, 3306-3307, 5063
Uzbekistan 2461
weed control
economics 3306, 5063
nitrogen content 756
population density 3306
quality 3306
seed production 2460
yield components 2460
yields 756, 2460, 3303, 3306, 5063
weeds
chemical control 721, 4202
control 303, 1588, 2807
hosts of plant pests 4840
integrated control 2594, 4806
invasion 3053
plant competition 1622, 4806
surveys 4806
yields 4806
Ludwigia
control
chemical control 1609
physical control 1609
Ludwigia adscendens
control
chemical control 4191, 5048
physical control 4191, 5048
herbicides
nitrogen 4191
nutrient uptake 4191
weed control
nitrogen 4191
nutrient uptake 4191
Ludwigia decurrens
biology, taxonomy 2641
ecology, distribution 2641
Ludwigia epilobioides
control, chemical control 3055
ecology, population density 3055
seeds
buried seeds 3055
seed banks 3055
Ludwigia erecta
biology, taxonomy 2641
ecology, distribution 2641
Ludwigia hyssopifolia
biology, taxonomy 2641
cereals
population dynamics 4384
soil fertility 4384
ecology, distribution 2641
maize
population dynamics 4384
soil fertility 4384

Ludwigia octovalvis
biology, taxonomy 2641
ecology, distribution 2641
Ludwigia parviflora
control
chemical control 4629
physical control 4629
rice
seasonal variation 3515
surveys 3515
Ludwigia peploides
biology, taxonomy 2641
ecology, distribution 2641
Ludwigia peruviana
biology, taxonomy 2641
ecology, distribution 2641
Ludwigia prostrata
biology
flowering 1359
fruiting 1359
ecology, distribution 1359
utilization
antibacterial plants 3248
pesticidal plants 3248
Ludwigia repens
biology, taxonomy 2641
ecology, distribution 2641
Ludwigia uruguayensis
biology, taxonomy 2641
ecology, distribution 2641
Lupinus
Australia 4924
Bromus diandrus, control 1591
Bromus rigidus, control 1591
herbicides
application date 4924
application methods 4924
cortex 1138
enzymes 1138
metabolism 1138
proteins 1138
root nodules 1138
senescence 1138
Medicago lupulina, hosts of plant diseases 4849
seeds, composition 380
toxicity, man 380
Lupinus albus
Australia 4911
Canada 2462
Cuscuta reflexa
host parasite relationships 1695-1696
nutrient uptake 1696
herbicides
damage 2462
seed weight 2462
tolerance 2462
yields 2462-2463
Lupinus angustifolius, Australia 4911
Lupinus arboreus, hosts, beneficial insects 4705
Luxembourg
herbicides
prices 1175
value added tax 1175
Luziola spruceana
biology
biomass 2572
growth rate 2572
control
chemical control 1202
cultural control 1202
ecology, plant communities 2572
Lychnis alba (*see Silene alba)*
Lychnis flos-cuculi
biology
fruits 4412
genetic variation 4412
growth rate 4412
reproduction 4412
ecology
genotype environment interaction 4412
habitats 4412
nutrient availability 4412
survival 4412
herbicides, bioassays 4970
hosts, insects 4412
Netherlands 4412
Lycopersicon esculentum (*see* Tomatoes)
Lycopersicon pimpinellifolium (*see* Tomatoes)
Lygodium japonicum
ecology 5110
forests, chemical control 5110
utilization 5110
Lysiana exocarpi
Acacia nyssophylla
flowering 1275
fruits 1275
growth rate 1275
host parasite relationships 1275
leaves 1275
seed germination 1275
survival 1275
Alectryon
growth rate 1275
host parasite relationships 1275
leaves 1275
seed germination 1275
survival 1275
Eucalyptus oleosa
growth rate 1275
host parasite relationships 1275
leaves 1275
seed germination 1275
survival 1275
Exocarpos aphyllus
growth rate 1275
host parasite relationships 1275
leaves 1275
seed germination 1275
survival 1275
Geijera linearifolia
growth rate 1275
host parasite relationships 1275
leaves 1275
seed germination 1275
survival 1275
Myoporum platycarpum
flowering 1275
fruits 1275
growth rate 1275
host parasite relationships 1275
leaves 1275
seed germination 1275
survival 1275
Lysimachia vulgaris
biology
carbon pathways 508
growth rate 508
photosynthesis 508
roots 508
transpiration 508
water relations 508
Lythrum alatum, hosts, insects 420
Lythrum salicaria
biology
flowers 405
genetic variation 405
heterostyly 405
identification 416
sex 405
control 3444
biological control 420
cultural control 418
ecology
birds 3444
distribution 2566
fishes 3444
introduction 2566
mammals 3444
plant competition 3444
population density 416
population dynamics 3444
spatial distribution 416
wildlife 3444
hosts, insects 420, 2566
wetlands
Canada 418
USA 416
Macadamia integrifolia
Crotalaria
Costa Rica 91
drop 91
fruits 91
hosts of plant pests 91
weeds
drop 91
fruits 91
hosts of plant pests 91
Maclura pomifera
biology
composition 4832
flowering 4832
oestrogens 4832
sex 4832
Macrotyloma uniflorum
India 2822
weeds
control 3746
occurrence 3746
Madagascar, weeds, rice 1791
Magnoliatae
biology, taxonomy 1797
rowcrops, population density 1797
Maianthemum dilatatum
control, chemical control 319
Vaccinium macrocarpon, USA 319
Maireana tomentosa
Eremophila, Australia 1207
Hakea preissii, Australia 1207
Senna, Australia 1207
weed control
damage 1207
plant communities 1207
Maize (*Zea mays*)
Abutilon theophrasti
chemical control 1557
climate 2657
demography 2218
economic thresholds 2657
economics 4382
emergence 2218, 4382
flowering 2218
introduction 2218
life cycle 2218
phenology 2218
plant competition 1776, 2657
population density 2657
population dynamics 4382
seed banks 2218, 4382
seed production 2657
Spain 2218
survival 4382
USA 288, 2431, 2602, 2657
yields 1776, 2657
Acroptilon repens, Russia 3791
Aethusa cynapium
Germany 726
plant competition 726
population density 726
yields 726
Ageratum conyzoides, hosts of plant pests 4846
Agrostis stolonifera var. *palustris,* allelopathy 3021
Amaranthus
chemical control 1603
emergence 1603
hosts of plant diseases 93
Spain 93
Ukraine 1603
Amaranthus blitoides, nutrient uptake 2195
Amaranthus hybridus
flowering 2225
fruiting 2225
life cycle 2225
population dynamics 2225
South Africa 3076
surveys 2252
Amaranthus retroflexus
Canada 2208, 3052
chemical control 903
Croatia 2826
emergence 2208
growth rate 2208
Italy 1590
light 3052
nutrient uptake 2195
plant competition 1776, 2013, 2208, 3052, 3718
population density 2208, 3052
reproduction 3052
surveys 2252
USA 903, 1079, 2013
vegetative propagation 3052
yields 903, 1776, 2013, 2208
Ambrosia artemisiifolia, USA 3267
Anagallis arvensis subsp. *foemina,* surveys 3954

Maize *cont.*
Anchusa azurea, surveys 3954
Anchusa italica, nutrient uptake 2196
Antirrhinum majus, surveys 3954
Apocynum cannabinum
population density 285
USA 285
as weeds
control
chemical control 3387
physical control 3387
meadows
plant competition 3387
USA 3387
weed control, emergence 3387
wild flowers
plant competition 3387
USA 3387
Asphodelus fistulosus
surveys 4806
yields 4806
Asteraceae, surveys 1407
Atriplex patula, surveys 2252
Avena sterilis, surveys 3954
Belgium 232
Bhutan 50
Bidens tripartita, weed associations 2241
Brazil 283, 742, 1999
Calystegia sepium, weed associations 2241
Canada 1387-1388, 3166, 3265, 3271, 4499, 5021, 5035
Cassia obtusifolia
economic thresholds 946
USA 946
Celosia laxa
population dynamics 4384
soil fertility 4384
Chenopodium album
chemical control 903
composition 2115
control 1320
flowering 2225
France 52
fruiting 2225
life cycle 2225
nitrates 2115
nutrient content 2115
nutrient uptake 2195-2196
plant competition 1776, 3718
population dynamics 2225
spatial distribution 52
surveys 2252
Switzerland 2115
USA 903, 2431, 2829
yields 903, 1776
China 1597, 4618
Commelina
population dynamics 4384
soil fertility 4384
Convolvulus althaeoides, surveys 3954
Convolvulus arvensis
population density 285
surveys 3954, 4806
USA 285
yields 4806
Coronilla varia, USA 3268
Croatia 2006, 2238
Cynodon dactylon
plant competition 1191, 4806
surveys 3954, 4806
yields 4806
Cyperus, surveys 1407
Cyperus esculentus
flowering 2225
fruiting 2225
life cycle 2225
population dynamics 2225
Cyperus rotundus
allelopathy 1788
plant competition 1191
Spain 2427
surveys 4806
weed associations 2241
yields 4806
Dactyloctenium aegyptium
plant competition 1191
population dynamics 4384
soil fertility 4384
Datura
hosts of plant diseases 93

Maize *cont.*
Datura cont.
Spain 93
Datura fastuosa
surveys 4806
yields 4806
Datura ferox, nutrient uptake 2195
Datura stramonium
growth rate 3404
plant competition 3404
seed contamination 5149
USA 3404
Digitaria ischaemum, allelopathy 3021
Digitaria sanguinalis
Egypt 3536
flowering 2225
fruiting 2225
hosts of plant diseases 3536
hosts of plant pests 3536
life cycle 2225
plant competition 3718
population dynamics 2225
Echinochloa colonum
plant competition 1191
surveys 4806
yields 4806
Echinochloa crus-galli
chemical control 1603
composition 2115
Croatia 2826
emergence 1603
flowering 2225
fruiting 2225
life cycle 2225
nitrates 2115
nutrient content 2115
nutrient uptake 2196
plant competition 3718
population dynamics 2225
Switzerland 2115
Ukraine 1603
Eclipta prostrata
population dynamics 4384
soil fertility 4384
Egypt 2649
Elymus repens
Canada 1190, 1600, 4179
chemical control 3779
drought 1600
Romania 4178
USA 290
endives, as weeds, surveys 3954
Epilobium, surveys 1407
Fallopia convolvulus, nutrient uptake 2196
France 3275
Galium, surveys 1407
Germany 496, 1908, 2294, 4030, 4922
herbicides
abscission 3672
acetyl-CoA carboxylase 1943, 2389
adenosinetriphosphatase 4965
adjuvants 1562, 2013, 2809, 3269, 3706, 4125, 4178-4179, 4625
amino acids 1536, 3207, 3219
α-amylase 206
β-amylase 206
antagonism 4625
application date 231, 744, 1190-1191, 1578, 1998, 2008-2009, 2011, 2013, 2428, 2431, 3268-3269, 3707, 3770, 3778, 4181, 4975, 5034, 5036-5037
application methods 1191, 1998, 2008-2009, 3770, 3775, 4975
application rates 206, 288, 741, 744, 903, 1139, 1152, 1190-1191, 1898, 1980, 2013, 2415, 2428, 2431, 2809, 3265, 3267, 3274, 3584, 3588, 3770, 3774, 3778, 4125, 4151, 4179, 4181, 4397
ATP 4558
band spraying 2002
binding sites 2363, 3673
bioassays 132, 1152, 1451, 1497, 2321, 3673, 4563
carotenoids 1139, 3672
cell culture 1168
cell membranes 2363
cellulase 3672
chlorophyll 1139, 3221, 3672, 4563

Maize *cont.*
herbicides *cont.*
chloroplasts 1146, 1943
chlorosis 2388
cold tolerance 3204
coleoptiles 3673
composition 1536, 1930, 2791, 4966
cytochrome P-450 651, 1124, 4097
cytoplasm 4547, 4558
damage 231, 289, 651, 1597, 1930, 2008-2009, 2011, 2330, 2356, 2388-2389, 2415, 2427, 3234, 3237, 3269, 3770, 3772, 4100, 4116, 4178, 4583, 4585, 4625
degradation 651, 1120, 1124, 1578, 1938, 2698, 2771, 3673, 3706, 4097, 4583
economics 869, 903, 1975, 2196, 3776, 3779, 4179
energy relations 3265
environmental impact 3145, 3277, 3597, 3745
enzymes 206, 1139, 1168, 1536, 1938, 1943, 2363, 2389, 2698, 3218-3219, 3672, 4097, 4106, 4116, 4128, 4563, 4580, 4583, 4585, 4965-4966
fatty acids 3207
β-fructofuranosidase 206
gas exchange 4116
genetics 2356
glutathione 1168, 2698, 4966
glutathione transferase 2698, 3218, 4580, 4966
growth rate 132, 206, 1525, 1578, 1905, 1930, 2011, 2321, 2827, 3193, 3219, 3268, 3673, 4100, 4106, 4116, 4585, 4966
high volume spraying 5036
hybrids 1930
hydro-lyases 3219
imbibition 3193
isoleucine 3219
keto acids 1536
labelling 2304
leaves 2388
leucine 1938
light 3221, 4563
lipids 1146
low volume spraying 5036
malonaldehyde 1930
membrane permeability 3221
meristems 3207
metabolism 231, 1578, 4579
microsomes 4965
mixtures 1190
mode of action 3207
morphology 4100
nitrate reductase 1139
nitrates 1139
nitrogen content 1139
oxidoreductases 2363, 4563
peroxidase 4966
pH 4547, 4558
photosynthesis 3207, 4106
pigments 2791
plant growth regulators 3672-3673
plant height 308, 1525, 1905, 2009, 2330, 2388, 3237, 4966, 4975
plasma membranes 3221, 4965
polysaccharides 206
population density 308, 3776
proteinases 1139
proton pump 4965
protoplasts 4547
protoporphyrin 2363, 4563
rain 3234, 3770, 5034
residual effects 308, 1898, 1905, 2330, 2415, 4211, 4618
residues 1998, 3133, 3574, 4079, 4481
roots 132, 1525, 2321, 3218, 4128, 4965-4966
safeners 231, 651, 1168, 1578, 2388-2389, 3237, 3269-3270, 3707, 4128, 4579-4580
seed banks 447-448, 2809
seed germination 1905
seed treatment 3193
selectivity 291, 2771, 2807, 3201
shoots 3218, 4966

Maize *cont.*
herbicides *cont.*
soil types 2415
soil water 2008, 3770
species diversity 447-448
sphingolipids 3221
spot spraying 5036
sucrose 206
sugars 206
surfactants 4178, 4625
susceptibility 2356, 3237
synergism 4583, 4585
temperature 3770, 3772
tolerance 214, 231, 651, 1152, 1578, 1598, 1938, 2009, 2356, 2388, 2771, 2807, 3201, 3221, 3237, 3269, 3271, 3745, 4097, 4106, 4116, 4128, 4583, 4625
tonoplast 4965
translocation 1120, 1578, 1938, 2771, 4579
uptake 1120, 1578, 1938, 2771, 3704, 4097, 4481, 4547, 4579, 4585
usage 1187
vacuoles 4558
varietal reactions 2807
variety trials 2009, 2356, 2388, 3269, 3271, 3274, 4100, 4116
yield components 2009
yields 287-289, 308, 743-744, 903, 1190, 1597, 1599-1600, 1603, 1975, 1998, 2000, 2008-2010, 2013, 2388, 2415, 2822, 2824, 2827, 3234, 3265, 3267, 3269-3271, 3274, 3276-3277, 3775-3776, 4100, 4178-4179, 4181, 4612, 4624-4625, 4975, 5035-5037
Honduras 4438
Hungary 744, 2241
India 1905, 2000, 2822-2823, 3904, 4627
Ipomoea
population dynamics 4384
soil fertility 4384
Italy 3116, 3277, 3718, 3771, 4138
Kenya 743
Kyllinga squamulata
population dynamics 4384
soil fertility 4384
Leucas martinicensis
population dynamics 4384
soil fertility 4384
Lolium perenne, allelopathy 3021
Lolium rigidum, surveys 3954
Ludwigia hyssopifolia
population dynamics 4384
soil fertility 4384
Melinis repens, Zambia 2825
Mexico 4211
New Zealand 3927, 4028, 4123
Nicandra physalodes, hosts of plant pests 4846
Nicotiana alba
hosts of plant diseases 93
Spain 93
Nigeria 95, 447-448, 740, 2007, 2425, 4384
Norway 3720
Oldenlandia corymbosa
population dynamics 4384
soil fertility 4384
Orobanche aegyptiaca
host parasite relationships 2948
root exudates 2948
seed germination 2948
Orobanche crenata
host parasite relationships 2948
root exudates 2948
seed germination 2948
Orobanche cumana, host parasite relationships 2877
Oxalis latifolia
flowering 2225
fruiting 2225
life cycle 2225
population dynamics 2225
Pakistan 1191
Panicum dichotomiflorum
Spain 2357, 4548
USA 2430
Panicum maximum, Brazil 340
Maize *cont.*
Panicum miliaceum, occurrence 2673
Phalaris brachystachys, surveys 3954
Poa, surveys 1407
Poaceae
hosts of plant pests 101
surveys 1407
Poland 284, 3779, 4079, 4125, 4626
Polygonum, surveys 1407
Polygonum aviculare
Italy 1590
nutrient uptake 2196
Polygonum lapathifolium, Spain 2357, 4548
Polygonum pensylvanicum
plant competition 2013
USA 288, 2013
yields 2013
Polygonum persicaria
France 52
nutrient uptake 2196
spatial distribution 52
Portulaca oleracea, plant competition 1191, 3718
Potentilla, surveys 1407
Prosopis juliflora
allelopathy 5139
growth rate 5139
roots 5139
seed germination 5139
shoots 5139
Ranunculus, surveys 1407
Raphanus raphanistrum, chemical control 3034
Romania 3803
Rottboellia cochinchinensis
allelopathy 945
Costa Rica 286, 1604
light 945
plant competition 945
population density 945
soil water 945
Trinidad and Tobago 945
yields 945
Russia 1998, 2415
Schouwia thebaica
surveys 4806
yields 4806
Scirpus maritimus, weed associations 2241
Scorpiurus muricatus, surveys 3954
Setaria
chemical control 903
USA 903
yields 903
Setaria faberi
plant competition 2013
USA 288, 2013, 2431
yields 2013
Setaria pumila
chemical control 1557
plant competition 1776
yields 1776
Setaria verticillata
Egypt 3536
hosts of plant diseases 3536
hosts of plant pests 3536
surveys 4806
yields 4806
Setaria viridis
Canada 3269
Egypt 3536
hosts of plant diseases 3536
hosts of plant pests 3536
plant competition 1776
USA 1079, 2602
yields 1776
Sinapis arvensis, surveys 3954
Solanum carolinense, USA 1599
Solanum nigrum
chemical control 1603
composition 2115
control 1320
emergence 1603
France 52
Italy 1590
nitrates 2115
nutrient content 2115
nutrient uptake 2195
plant competition 3718
spatial distribution 52
Maize *cont.*
Solanum nigrum cont.
Switzerland 2115
Ukraine 1603
Solidago gigantea, weed associations 2241
Sorghum halepense
Greece 4181
hosts of plant diseases 3273
hosts of plant pests 3273
light 478
plant competition 478, 3270
Russia 3778
seed contamination 1341
USA 478, 2012, 3270, 3273, 5036-5037
yields 478
South Africa 4212
Spain 2196, 2252, 2426
Spermacoce verticillata
population dynamics 4384
soil fertility 4384
Stellaria media
flowering 2225
fruiting 2225
life cycle 2225
population dynamics 2225
Striga
host parasite relationships 2995
root exudates 2995
seed germination 2995
stimulants 2995
Striga asiatica
host parasite relationships 2993, 2995, 3003
resistance 3003
root exudates 2995, 3003
seed germination 2995, 3003
stimulants 2995
Striga aspera
host parasite relationships 3003
resistance 3003
root exudates 3003
seed germination 3003
Striga hermonthica
anatomy 4734
cell walls 4734
emergence 4731
enzymes 4734
host parasite relationships 839, 1690, 2827-2828, 2993, 3002-3003, 3272, 4731
Kenya 2827-2828, 3002, 3272
malic enzyme 4734
Nigeria 1690
phosphoenolpyruvate carboxylase 4734
photosynthesis 4734
plant height 1690
reproduction 4731
resistance 839, 1690, 3002-3003
ribulose-bisphosphate carboxylase 4734
root exudates 3002-3003
roots 3002
seed germination 3002-3003
survival 4731
variety trials 3002
yields 3002, 3272
Switzerland 3722, 4612
Symphytum officinale, weed associations 2241
Teucrium canadense
population density 285
USA 285
Tribulus terrestris
plant competition 4806
surveys 4806
yields 4806
Ukraine 2010, 3707, 3777
USA 101, 178, 180, 287, 289, 308, 580, 614, 741, 1098, 1612, 1776, 2008-2009, 2388, 2409, 2432, 2753, 2824, 3031, 3047, 3159, 3234, 3274, 3309, 3499, 3775-3776, 4027, 4031, 4180, 4368, 4481, 4625, 4975, 4980, 5012
Vaccaria hispanica, surveys 3954
Venezuela 3276
Vernonia
population dynamics 4384

Maize *cont.*
Vernonia cont.
soil fertility 4384
Veronica, surveys 1407
Vicia villosa, population dynamics 2430
weed control
application date 1602, 2432, 3718
application equipment 3720
application rates 3265
beneficial insects 3722
development 2829, 3277
dry matter distribution 2829
economics 903, 1605, 1975, 2002, 2196, 2429, 2432, 3718, 3776, 3779
emergence 2829
energy relations 3265
environmental impact 3277, 3597
growth rate 2827, 2829, 3268
labour requirements 742, 1602
leaf area index 2425
population density 2432, 3776
rhizomes 5036
selectivity 4987
yields 283-284, 287, 740, 743, 903, 1600, 1603-1604, 1975, 2000, 2010, 2432, 2657, 2822, 2825, 2827-2828, 3265, 3270, 3277, 3776, 3791, 4181, 4368, 4612, 5035
weeds
chemical control 721, 1470, 1605, 1612, 1817, 1975, 1980, 2001-2005, 2010, 2409, 2432-2433, 2756, 2823, 3745, 3777, 3779, 4151, 4180, 4397, 4455, 4612, 4628
chlorophyll 1387
control 50, 496, 866, 1588, 2002-2004, 3746, 4396, 5182
cultural control 50, 2005, 2433, 2823, 3773
development 2010
drought 4438
farming systems 4384
fertilizers 1388, 2809, 4627
flowering 2225
fruiting 2225
growth rate 2010
hosts of plant pests 95, 101, 4846
insects 4438
integrated control 1322, 4314, 4806
leaf area index 1387
leaves 1387
life cycle 2225
light 1387, 2425, 3274
nutrient availability 3047
nutrient content 3047
occurrence 3746
physical control 2005, 3773, 4987, 5020
plant communities 2238, 2825, 4810
plant competition 1387-1388, 2010, 2425, 2649, 2809, 3047, 3274, 4368, 4806
plant density 2010
population density 1387-1388, 2825, 3274, 4368, 4624, 4627, 5035
population dynamics 1320, 2225, 3777
seasonal variation 2238
seed banks 2432, 3031
seed contamination 7
soil types 2433
spatial distribution 4368, 4397
species diversity 3777
surveys 50, 957, 4396-4397, 4806, 4810
weed associations 4384, 4810
yields 473, 1387-1388, 2010, 2825, 3777, 4806
Xanthium strumarium, Canada 208
Zimbabwe 1602
Malawi
weed control, groundnuts 787
weeds
biology 397
control 397
ecology 397
farmers' attitudes 397
hosts of plant pests 4846
Malawi *cont.*
weeds *cont.*
Nematoda 4846
Striga 397
Malaysia
Echinochloa colonum 4839
Echinochloa crus-galli 4839
Echinochloa oryzoides 4839
Eleusine indica 4114
herbicides
extension 1172
man 1172
plantation crops 1950
safety 1172
toxicity 1172
Hevea brasiliensis 1227, 3030
legumes 3030
oil palms 1227, 2063, 3030
algae 1274
rice 4839
weed control
biological control 3993, 3999, 4154
conferences 4318
extension 4189
farmers' attitudes 4189
grazing 3739
integrated control 4154, 4189
mycoherbicides 3999
plantation crops 3739
rice 4189
weeds 3056
biological control 3111
Chromolaena odorata 3111
conferences 4318
Eleusine indica 4341
Hedyotis verticillata 1589
Hydrilla verticillata 856
Leptochloa chinensis 4188
Leptochloa panicea 4188
Mimosa invisa 5143
plantation crops 1589
reproduction 5143
surveys 4341
Mali
millets 1194
Pennisetum glaucum 745
as weeds 458
sorghum, *Striga hermonthica* 1689, 3000
Striga 3430
weed control
conferences 1322
integrated control 4314
millets 4183
rice 1203
Striga 4183
weeds
Cyperus rotundus 51
Digitaria 51
Striga gesnerioides 5161
Striga hermonthica 51
surveys 51
Malus prunifolia, herbicides, tolerance 1135
Malus pumila (*see* Apples)
Malva
control, chemical control 1574, 2406, 2500
herbicides, surfactants 1574
hosts
Araneae 556
arthropods 556
beneficial insects 556
Malva parviflora
biology, composition 2403
control, chemical control 1216
ecology, Nematoda 4813
toxicity, Nematoda 4813
utilization, nematicidal plants 2403
Malvaceae
biology, identification 3485
ecology
distribution 3485
phenology 3485
Malvastrum coromandelianum
biology, identification 3485
ecology
distribution 3485
phenology 3485
Mandarins (*Citrus deliciosa, C. reshni* and *C. reticulata*)
herbicides
fruits 3346
Mandarins *cont.*
herbicides *cont.*
quality 3346
yield components 3346
India 1641, 3346
weeds
chemical control 1641
population density 1641
Mangifera indica (*see* Mangoes)
Mangoes (*Mangifera indica*)
weeds, hosts of plant diseases 3103
Manihot esculenta (*see* Cassava)
Maples (*see Acer)*
Mariscus alternifolius, ecology, emergence 437
Maritime pine (*see Pinus pinaster)*
Market gardens, France 5084
Marrows (*see also Cucurbita* spp.)
Amaranthus
hosts of plant diseases 93
Spain 93
Amaranthus retroflexus
allelopathy 4385
nutrient availability 4385
seed germination 4385
Chenopodium murale
allelopathy 4385
nutrient availability 4385
seed germination 4385
Datura
hosts of plant diseases 93
Spain 93
herbicides, residues 2728
Italy 767
Nicotiana alba
hosts of plant diseases 93
Spain 93
Marrubium vulgare
seeds
scarification 3896
seed dormancy 3896
seed germination 3896
storage 3896
temperature 3896
Marshes
Phragmites australis, USA 3449
Typha, Canada 3867
USA 1302, 3870
weeds
surveys 3944
weed associations 3944
Marsilea
biology
anatomy 1365
identification 1365
taxonomy 1365
ecology, distribution 1365
Marsilea minuta
biology
cadmium 4744
catechol oxidase 4744
cytology 1713
enzymes 4744
morphology 4744
peroxidase 4744
phenolic compounds 4744
pollen 1713
senescence 4744
taxonomy 1713
ultrastructure 4744
ecology, distribution 1713
rice
growth rate 1778
light 1778
nutrient availability 1778
plant competition 1778
yields 1778
Marsilea quadrifolia
biology
development 413
embryology 413
genetics 413
control
chemical control 4191, 5048
physical control 4191, 5048
herbicides
nitrogen 4191
nutrient uptake 4191
weed control
nitrogen 4191
nutrient uptake 4191

Marsypianthes chamaedrys, hosts, bacteria 3982
Martinique
Brachiaria decumbens, Paspalum conjugatum 5058
Brachiaria humidicola, Paspalum conjugatum 5058
herbicide residues
leaching 1858
movement 1858
rain 1858
soil 1858
sorption 1858
herbicides
bananas 4227
economics 4227
Matricaria
barley
fertilizers 481
plant competition 481
population density 481
yields 481
control, chemical control 733
Matricaria chamomilla (*see Chamomilla recutita)*
Matricaria inodora (*see Matricaria perforata)*
Matricaria perforata
biology
chromosome number 1759
flowers 1759
morphology 1759
photoperiodism 1759
physiology 1759
reproduction 1759
transpiration 469
water relations 469
control
cultural control 42
physical control 3884
ecology
distribution 1759
drought 469, 1759
fertilizers 4765
habitats 955, 1759
insects 4402
mycorrhizas 1759
phenology 1759
plant communities 1759
soil water 955
surveys 955
herbicides
adjuvants 2387
application rates 2387
resistance 1759
seed germination 4765
hosts
beneficial insects 556
insects 4402
rape
growth rate 42
plant competition 42
population density 42
yields 42
seeds
seed dispersal 1759
seed germination 4765
seed production 1759
viability 1759
UK 4402
wheat
Denmark 3494
growth rate 3494
leaf area 3494
plant competition 3494
plant density 3494
plant height 3494
weather 3494
Matricaria recutita (*see Chamomilla recutita)*
Matthiola, urban areas, plant communities 2614
Mauritania, weed control, integrated control 4314
Maytenus
Loranthaceae
host parasite relationships 5155
nutrient content 5155
Viscaceae
host parasite relationships 5155
nutrient content 5155
MCPA
adventitious roots, grapes 2780
analytical methods 3615
ELISA 128, 1877
enzyme immunoassay 4469
extraction 112, 4010, 4017
gas chromatography 1037
HPLC 4014
liquid chromatography 112, 4010, 4017
mass spectrometry 1037, 4017
sampling 3560
thin layer chromatography 2305
anatomy, grapes 2780
antagonism 3232
Avena 4545
Avena fatua 859, 1577
oats 1513
application
application date 1933
application rates 1933
deposition 4497
environmental impact 4497
production 4006
usage 4444
application date
Avena fatua 1577
Chamomilla recutita 209, 1929
Chenopodium album 209
Fallopia convolvulus 209, 1929, 4104
flax 3835
Galium aparine 209
Galium spurium 209, 1929, 4104
lawns and turf 3842
Myosotis arvensis 209
Oxalis pes-caprae 4171
rape, as weeds 209
sorghum 1607, 4182
Thlaspi arvense 209, 1929, 4104
triticale 4177
wheat 143, 4482
application methods, *Equisetum arvense* 1665
application rates
barley 733
Chamomilla recutita 209, 1929
Chenopodium album 209
Equisetum arvense 1665
Fallopia convolvulus 209, 1929, 4104
flax 2087
Galium aparine 209
Galium spurium 209, 1929, 4104
maize 3265
Myosotis arvensis 209
Oxalis pes-caprae 4171
rape, as weeds 209
sorghum 4182
soyabeans 3265
Thlaspi arvense 209, 1929, 4104
wheat 733, 3265
bark, grapes 2780
binding proteins, *Sinapis arvensis* 4543
binding sites 3232
bioassays
Lychnis flos-cuculi 4970
tomatoes 4970
bulbs, *Oxalis pes-caprae* 4171
cell membranes 3232
chemistry
chemical properties 622
photolysis 3554
control
Amaranthus retroflexus, sorghum 4182
Anagallis arvensis, Indian mustard 4233
Anthemis
barley 4609
rye 4609
triticale 4609
wheat 4609
Anthemis arvensis, potatoes 2221
Apera spica-venti
cereals 262
wheat 262
aquatic weeds, rice 4192
Avena 4545
Avena fatua 859, 1577, 4969
barley 4609
flax 2087
rye 4609
MCPA *cont.*
control *cont.*
Avena fatua cont.
triticale 4609
wheat 4609
Bromus secalinus, wheat 3758
Bromus tectorum, lawns and turf 3842
Capsella bursa-pastoris
barley 4609
rye 4609
triticale 4609
wheat 4609
Carduus nutans, pastures 4198
Chamomilla recutita, barley 1929
Chenopodium album
barley 733, 4609
Indian mustard 4233
lawns and turf 3842
potatoes 2221
rye 4609
sorghum 4182
triticale 4609
wheat 733, 3261, 4609
chicory, as weeds, Indian mustard 4233
Cirsium arvense
cereals 4611
potatoes 2221
Convolvulus arvensis, lawns and turf 3842
Cynodon dactylon
Indian mustard 4233
lawns and turf 3842
Cyperus rotundus, Indian mustard 4233
Digitaria ciliaris, Indian mustard 4233
Echinochloa crus-galli
potatoes 2221
sorghum 1607, 4182
Elymus repens
cereals 262
potatoes 2221
wheat 262
Equisetum arvense, waste land 1665
Fallopia convolvulus, barley 1929
Fumaria officinalis
barley 733
wheat 733
Galinsoga parviflora, potatoes 2221
Galium aparine
barley 4609
cereals 4158
rye 4609
triticale 4609
wheat 4609
Galium spurium, barley 1929
Heteranthera limosa, rice 752
Heteranthera reniformis, rice 752
Lamium
barley 733, 4609
rye 4609
triticale 4609
wheat 733, 4609
Leucanthemum vulgare, pastures 4197
Matricaria
barley 733
wheat 733
Medicago polymorpha, Indian mustard 4233
Melilotus alba, Indian mustard 4233
Oxalis pes-caprae
fallow 4171
wheat 4171
Paspalum distichum, Indian mustard 4233
Phalaris minor, Indian mustard 4233
Poa annua, Poa pratensis 3843
Poaceae, wheat 1592
Polygonaceae, potatoes 2221
Polygonum
barley 4609
rye 4609
triticale 4609
wheat 4609
Polygonum aviculare, wheat 3261
Portulaca oleracea, Indian mustard 4233
Ranunculus acris 861
pastures 4197

MCPA *cont.*
control *cont.*
rape, as weeds, wheat 1592
Rumex dentatus, Indian mustard 4233
Setaria viridis, flax 2087
Sinapis arvensis
potatoes 2221
wheat 3261
Solanum elaeagnifolium 388
Solanum nigrum, sorghum 4182
Sorghum halepense, wheat 3261
Spergula arvensis, Indian mustard 4233
Stellaria media
barley 733, 2257, 4609
potatoes 2221
rye 4609
triticale 4609
wheat 733, 2257, 4609
sunflowers, as weeds, sorghum 1607
Taraxacum, lawns and turf 3842
Thlaspi arvense, barley 1929
Trifolium fragiferum, Indian mustard 4233
Trifolium repens, lawns and turf 3842
Trigonella, lawns and turf 3842
Viola arvensis
barley 733, 4609
cereals 4158
rye 4609
triticale 4609
wheat 733, 4609
weeds 1933, 4750
barley 3767, 4615, 5027
cereals 262, 3754, 4158
cherries 1221
flax 3835
Indian mustard 4233
lawns and turf 3842
maize 3265
olives 2500
rye 3767
soyabeans 3265
Trifolium 4615
Trifolium repens 1623
triticale 2423, 4177, 5029-5030
wheat 262, 728, 1592, 2423, 3261, 3265, 4172, 4615
cross resistance, *Ranunculus acris* 861
damage
flax 2087
grapes 2780
Indian mustard 4233
potatoes 1217
sorghum 4182
Trifolium repens 1623
triticale 4177
wheat 3762
degradation, barley 199
deposition
grasslands 4970
hedges 4970
drift
grasslands 4970
hedges 4970
energy relations
maize 3265
soyabeans 3265
triticale 5029-5030
wheat 3265
growth rate 1933
algae 1076, 1510
cyanobacteria 1076
Lemna minor 3436
Pteridophyta 4497
Sinapis alba 1510
Sinapis arvensis 4543
Spermatophyta 4497
interactions
copper sulfate 3560
fungicides 3762
herbicides 752, 859, 1513, 1577, 1607, 1887, 2423, 3232, 3758, 3767, 3835, 3842, 4014, 4158, 4172, 4177, 4182, 4192, 4233, 4545, 4609, 4615, 4750, 5027, 5029-5030
plant growth regulators 3762
leaves, triticale 4177
legislation, Denmark 3744, 3754
morphology, potatoes 1217
MCPA *cont.*
nontarget effects
fungi 4497
insects 4970
Pteridophyta 4497
Spermatophyta 4497
nutrient content, wheat 3261
nutrient uptake
algae 3436
cyanobacteria 3436
plant disorders, potatoes 1217
plant growth regulators, *Sinapis arvensis* 4543
population density, *Oxalis pes-caprae* 4171
properties, physical properties 622
registration
Canada 3436
Denmark 3744
regrowth, *Equisetum arvense* 1665
residues
atmosphere 137, 2306, 3560, 3579
cereals 112
drinking water 2305, 3626, 4010
groundwater 579, 3137, 3582, 3592, 3626, 3744, 4010
lakes 1072
rain 137, 2306, 3560, 3579
river water 4017
sediment 3135
soil 579, 622, 1094-1095, 1465, 2332, 3135, 3606, 3615, 3626, 3667, 4071, 4074
soil water 1094-1095, 3626, 3667, 4074
surface water 579, 3592, 3626, 4010, 4071
triticale 1887
urine 591
Vigna radiata 112
water 1071-1072, 1076, 1877, 2305, 3135, 3554, 3560, 4937
wheat 143, 4482
zooplankton 3135
resistance
Carduus nutans 4198
Elymus repens 4399
Galeopsis tetrahit 4399
Heteranthera limosa 752
Heteranthera reniformis 752
Leucanthemum vulgare 4399
Matricaria perforata 1759
Ranunculus acris 861
Rumex acetosella 4399
Sisymbrium orientale 4410
Sonchus oleraceus 4410
Sorghum halepense 3261
Spergula arvensis 4399
Stellaria media 4399
roots
Oxalis pes-caprae 4171
Sinapis alba 1510
seed germination 1933
Sinapis alba 1510
seed production 1933
Chamomilla recutita 209, 1530, 1929
Chenopodium album 209, 1530
Fallopia convolvulus 209, 1530, 1929, 4104
Galium aparine 209
Galium spurium 209, 1530, 1929, 4104
Myosotis arvensis 209, 1530
rape, as weeds 209
Thlaspi arvense 209, 1530, 1929, 4104
seed size
Chamomilla recutita 1929
Fallopia convolvulus 1929
Galium spurium 1929
Thlaspi arvense 1929
seed weight
Chamomilla recutita 209, 1530
Chenopodium album 209, 1530
Fallopia convolvulus 209, 1530
Galium aparine 209
Galium spurium 209, 1530
Myosotis arvensis 209, 1530
rape, as weeds 209
Thlaspi arvense 209, 1530
seeds, wheat 4482
MCPA *cont.*
selectivity, sorghum 1607
soil
biodegradation 2332, 3615, 3667
chemical degradation 3615
degradation 1095, 1465, 2332, 3606, 4071
fertilizers 1095
leaching 1094-1095, 3626, 4074
microbial degradation 3615
microorganisms 2332
movement 1094-1095, 1465, 3626, 3667
organic matter 622, 3615
oxygen 3615
persistence 1095, 1465, 2332, 3606, 3667
pH 622, 3615
rain 3626
runoff 1094-1095, 4071
soil types 622, 1094-1095, 3615, 3626, 4074
soil water 3606, 3615
sorption 622, 3606
temperature 3606, 3615
susceptibility
Sisymbrium orientale 4410
Sonchus oleraceus 4410
synergism, wheat 3758
tolerance, *Poa pratensis* 3843
toxicity
algae 1076
aquatic organisms 579, 1071, 3135, 3436
cyanobacteria 1076
ecosystems 579, 3135, 3436
fishes 1071-1072
fungi 4497
insects 1071
man 591
Pteridophyta 4497
soil fauna 1071
Spermatophyta 4497
zooplankton 3135
variety trials, wheat 4482
viability 1933
water
aquatic organisms 1071
biodegradation 4937
degradation 4071
persistence 4937
photolysis 3554
salinity 3135
yields
barley 733, 1595, 5027
cereals 4158
cherries 1221
flax 2087
Indian mustard 4233
maize 3265
soyabeans 3265
triticale 2423, 4177, 5029-5030
wheat 728, 733, 2423, 3261, 3265, 3762, 4172
MCPB
analytical methods
ELISA 1877
enzyme immunoassay 4469
extraction 112, 4010, 4017
liquid chromatography 112, 4010, 4017
mass spectrometry 4017
antagonism, oats 1513
application rates
maize 3265
soyabeans 3265
wheat 3265
control
Ranunculus acris 861
weeds
maize 3265
soyabeans 3265
wheat 3265
cross resistance, *Ranunculus acris* 861
energy relations
maize 3265
soyabeans 3265
wheat 3265
interactions, herbicides 1513
residues
cereals 112

MCPB *cont.*
residues *cont.*
drinking water 4010, 4469
groundwater 4010, 4469
river water 4017
soil 1465
surface water 4010
Vigna radiata 112
water 1877
resistance, *Ranunculus acris* 861
soil
degradation 1465
movement 1465
persistence 1465
yields
maize 3265
soyabeans 3265
wheat 3265
Meadows
aquatic weeds
biomass 401
control 401
water flow 401
Geranium sylvaticum, Sweden 439
maize
as weeds
plant competition 3387
USA 3387
Poland 297, 299
Stellaria media, Poland 296
Taraxacum officinale, Poland 298
Urtica dioica, Poland 296
USA 401
weed control
population dynamics 297-298
yields 298
wheat
as weeds
plant competition 3387
USA 3387
Mecoprop
analytical methods 3615
electrophoresis 4020
enzyme immunoassay 4469
extraction 112, 3563, 4010, 4017
gas chromatography 3563, 4869
liquid chromatography 112, 4010, 4017
mass spectrometry 3563, 4017
sampling 3560
antagonism
Avena fatua 859
Lamium hybridum 3711
Stellaria media 3711
Veronica persica 3711
application, application date 3587
application date
cereals 263
Digitaria ischaemum 4248
Festuca rubra 4248
lawns and turf 3842
Oxalis pes-caprae 4171
Poa pratensis 4248
sorghum 1607
triticale 4177
wheat 3629
application rates
barley 264, 733
cereals 263-264
Lamium hybridum 3711
Oxalis pes-caprae 4171
Stellaria media 3711
Veronica persica 3711
wheat 276, 733
binding proteins, *Sinapis arvensis* 4543
bioassays, tomatoes 2052
bulbs, *Oxalis pes-caprae* 4171
cell division, algae 2558
chemistry
chemical properties 3587
degradation 3587
electric potential 2717
chlorophyll, *Lemna minor* 2558
control
Alopecurus myosuroides, cereals 263
Apera spica-venti
barley 3262
triticale 3262
wheat 3262
Avena, cereals 263
Avena fatua 859, 3700

Mecoprop *cont.*
control *cont.*
Bromus tectorum, lawns and turf 3842
Carduus nutans, pastures 4198
Chenopodium album
barley 733
lawns and turf 3842
wheat 733
Cirsium arvense, cereals 4611
Convolvulus arvensis 2711
lawns and turf 3842
Cynodon dactylon, lawns and turf 3842
Digitaria ischaemum
Festuca rubra 4248
Poa pratensis 4248
Echinochloa crus-galli, sorghum 1607
Fumaria officinalis
barley 733
wheat 733
Galium aparine
barley 3262
cereals 263
triticale 3262
wheat 3262
Lamium
barley 733
wheat 733
Lolium, cereals 263
Matricaria
barley 733
wheat 733
Oxalis pes-caprae
fallow 4171
wheat 4171
Poa annua, Poa pratensis 3843
rape, as weeds, wheat 276
Stellaria media
barley 733, 2257
wheat 733, 2257
sunflowers, as weeds, sorghum 1607
Taraxacum, lawns and turf 3842
Trifolium repens, lawns and turf 3842
Trigonella, lawns and turf 3842
Viola arvensis
barley 733
wheat 733
weeds
barley 264, 3262, 3767, 4615
cereals 263-264, 3754
lawns and turf 3842
Lolium 3793
rice 1200
rye 3767
Trifolium repens 1623
triticale 3262, 4177
wheat 1185, 3262, 3760, 4615
damage
Buchloe dactyloides 1615
tomatoes 2052
Trifolium repens 1623
triticale 4177
wheat 3762
economics, wheat 3760
formulations 3626
growth rate
algae 2558
Lamium hybridum 3711
Lemna minor 2558
Sinapis arvensis 4543
Stellaria media 3711
Veronica persica 3711
interactions
copper sulfate 3560
fungicides 3762
herbicides 859, 1607, 3262, 3711, 3760, 3793, 3842, 4177, 4198, 4248, 4615
plant growth regulators 3762
labour requirements, wheat 3760
leaf age, *Poa pratensis* 3538
leaves
Lemna minor 2558
triticale 4177
legislation, Denmark 3744, 3754
plant diseases, *Poa pratensis* 3538
plant growth regulators
Sinapis arvensis 4543
Striga asiatica 2996

Mecoprop *cont.*
population density, *Oxalis pes-caprae* 4171
properties, physical properties 3587
registration, Denmark 3744
residual effects, tomatoes 2052
residues
aquifers 3662
atmosphere 137, 3560
cereals 112
composts 2052
drinking water 3589, 3626, 4010, 4469
groundwater 3137, 3563, 3582, 3626, 3662, 3744, 4010, 4469
growing media 2558
rain 137, 3560
river water 4017
sewage 3563
soil 623, 1465, 3606, 3615, 3626, 3629, 3662, 4074, 4518, 4869
soil water 3626, 3629, 4074
surface water 3563, 3626, 3629, 4010
tap water 3563
Vigna radiata 112
water 2558, 3560, 3587
roots, *Oxalis pes-caprae* 4171
seed germination, *Striga asiatica* 2996
selectivity, sorghum 1607
soil
bacteria 4518
biodegradation 3615, 4518
chemical degradation 3615
degradation 623, 1465, 3606
leaching 623, 3626, 4074, 4869
microbial degradation 3615, 3662
microorganisms 3662
movement 1465, 3626, 3629
organic matter 3615
oxygen 3615
persistence 623, 1465, 3606
pH 3615
rain 3626
soil types 3615, 3626, 4074
soil water 3606, 3615
sorption 3606
temperature 3606, 3615
surfactants, *Convolvulus arvensis* 2711
synergism
Lamium hybridum 3711
Stellaria media 3711
Veronica persica 3711
tolerance, *Poa pratensis* 3843
toxicity
algae 2558
Lemna minor 2558
uptake, *Lemna minor* 2558
water
degradation 2558
microbial degradation 3662
microorganisms 3662
yields
barley 733
Lolium 3793
rice 1200
triticale 4177
wheat 733, 3760, 3762
Mecoprop-P
control
Aethusa cynapium, wheat 272
Avena fatua 3700
barley 2810
cereals 2810
wheat 2810
Chenopodium album
barley 2810
cereals 2810
wheat 2810
Fallopia convolvulus
barley 2810
cereals 2810
wheat 2810
Galinsoga parviflora
barley 2810
cereals 2810
wheat 2810
Galium aparine, wheat 272
Papaver rhoeas, wheat 272
Stellaria media, wheat 272
Veronica hederifolia, wheat 272
Veronica persica, wheat 272

Mecoprop-P *cont.*
control *cont.*
weeds
barley 273
wheat 273
growth rate
barley 273
wheat 273
interactions, herbicides 2810
tillering
barley 273
wheat 273
variety trials
barley 273
wheat 273
yields
barley 2810
wheat 2810
Medicago
economics
fodder crops 708
utilization 708
Orobanche crenata, host parasite relationships 2852
utilization, fodder crops 708
wheat
growth stages 1781
plant succession 1781
population dynamics 1781
Medicago denticulata
control
chemical control 4165
physical control 4165
Medicago littoralis
weeds
allelopathy 3498
growth rate 3498
nodulation 3498
plant pathogens 3498
root hairs 3498
roots 3498
seed germination 3498
Medicago lupulina
Aeschynomene virginica, hosts of plant diseases 4849
Astragalus flexuosus, hosts of plant diseases 4849
Austria 20
biology, chromosome number 20
control, biological control 4849
faba beans, hosts of plant diseases 4849
hosts, fungi 4849
Lathyrus, hosts of plant diseases 4849
lentils, hosts of plant diseases 4849
Lotus corniculatus, hosts of plant diseases 4849
lucerne, hosts of plant diseases 4849
Lupinus, hosts of plant diseases 4849
Melilotus officinalis, hosts of plant diseases 4849
peas, hosts of plant diseases 4849
Phaseolus vulgaris, hosts of plant diseases 4849
Thermopsis rhombifolia, hosts of plant diseases 4849
Trifolium pratense, hosts of plant diseases 4849
Medicago polymorpha
control
chemical control 727, 1211, 4233
cultural control 727, 1211
physical control 727, 1211, 4233
sugarbeet, surveys 3511
weeds
allelopathy 3498
growth rate 3498
nodulation 3498
plant pathogens 3498
root hairs 3498
roots 3498
seed germination 3498
Medicago sativa (*see* Lucerne)
Medicago truncatula
weeds
allelopathy 3498
growth rate 3498
nodulation 3498
plant pathogens 3498
root hairs 3498
roots 3498
seed germination 3498
Medicinal plants
as weeds 52, 225, 370, 376, 382, 386, 416, 441, 467-469, 480, 496, 556-557, 710, 819, 831, 836
Canada 4701
herbicides, yields 4701
weeds, control 5184
Mediterranean region
flora 2623, 3025
herbicide residues
groundwater 3655
leaching 3655
movement 3655
soil 3655
herbicides
guidelines 4603
usage 4603
weeds
carbon pathways 3063
climate 3063
Cyperus 3063
distribution 3063
grain legumes 2859
integrated control 2859
Orobanche 2859
surveys 3063
Meetings (*see* Conferences)
Mefenacet
bioassays, algae 3682
control, cyanobacteria, rice 2016
growth rate, algae 3682
residues, river water 3682
Mefluidide
cold resistance, maize 3204
composition, *Festuca arundinacea* 3185
damage, *Festuca arundinacea* 3194
digestibility, *Festuca arundinacea* 5062
fibre, *Festuca arundinacea* 5062
pigments, *Festuca arundinacea* 3185
plant height, *Festuca arundinacea* 3185, 3194
proteins, *Festuca arundinacea* 5062
seed production, *Festuca arundinacea* 3185, 3194, 5062
yields, *Festuca arundinacea* 3185, 3194, 5062
Melaleuca quinquenervia
Australia 368
control, biological control 368, 824, 4258
USA 368
Melampyrum pratense
biology
flowers 4728
fruits 4728
growth rate 4728
leaves 4728
morphology 4728
photosynthesis 4728
reproduction 4728
resource allocation 4728
stems 4728
translocation 4728
yields 4728
ecology, seasonal variation 4728
Finland 4728
seeds
seed production 4728
seed set 4728
Melampyrum silvaticum
biology
flowers 4728
fruits 4728
growth rate 4728
leaves 4728
morphology 4728
photosynthesis 4728
reproduction 4728
resource allocation 4728
stems 4728
translocation 4728
yields 4728
ecology, seasonal variation 4728
Finland 4728
seeds
seed production 4728
seed set 4728
Melandrium album (*see Silene alba*)
Melastoma affine
biology
flowers 3847
fruits 3847
Melastoma affine *cont.*
biology *cont.*
pollination 3847
set 3847
ecology
colonizing ability 3847
insects 3847
hosts, beneficial insects 3847
Melia azedarach
ecology 5110
forests, chemical control 5110
utilization 5110
Melilotus
control
chemical control 727, 2524
cultural control 727
integrated control 2524
physical control 727, 2524
Melilotus alba
control
chemical control 1556, 3391, 4233, 4650
physical control 4233, 4650
Dodecatheon meadia
distribution 951
habitats 951
population density 951
ecology
distribution 951
disturbed land 951
habitats 951
invasion 951
population density 951
soil types 951
Equisetum laevigatum
distribution 951
habitats 951
population density 951
grasslands
distribution 951
habitats 951
population density 951
herbicides, nutrient uptake 4650
Pedicularis canadensis
distribution 951
habitats 951
population density 951
Phlox glaberrima
distribution 951
habitats 951
population density 951
Pycnanthemum virginianum
distribution 951
habitats 951
population density 951
Melilotus indica
biology, composition 2403
control
chemical control 2817, 3263, 3326, 4165-4166, 4702
integrated control 2817
physical control 2817, 3326, 4165-4166
ecology, Nematoda 4813
toxicity, Nematoda 4813
Melilotus officinalis
Bromus inermis
Canada 4371
growth rate 4371
plant competition 4371
Canada 5021
herbicides
damage 1622
plant height 1622
yields 1622
Medicago lupulina, hosts of plant diseases 4849
USA 1622
weeds, plant competition 1622
Melinis repens
cassava, Zambia 2825
control
cultural control 2825
physical control 2825
ecology
distribution 3911
population density 3911
Eleusine coracana, Zambia 2825
groundnuts, Zambia 2825
maize, Zambia 2825

Melissa officinalis
herbicides
photosynthesis 2733
residues 2733
Melons (*Cucumis melo*)
algae
biological control 862
chemical control 862
Amaranthus
hosts of plant diseases 93
Spain 93
Datura
hosts of plant diseases 93
Spain 93
herbicides
damage 2839
growth rate 2839
morphology 2839
residual effects 2839
Korea Republic 2839
Nicotiana alba
hosts of plant diseases 93
Spain 93
Nigeria 95
Solanum nigrum, hosts of plant pests 2545
USA 2409
weeds
biological control 862
chemical control 862, 2409-2410
control 1588
hosts of plant pests 95
Mentha arvensis
India 2651
weeds
essential oils 2651
plant competition 2651
yields 2651
Mentha cardiaca
herbicides, residues 314
USA 314
MEPS 3238
Mercurialis annua
biology
anthers 913
flowering 913
pollen 913, 4599
pollination 913
ecology, nickel 4599
toxicity, cattle 2536
utilization, indicator plants 4599
Merremia glabra
grapes, hosts of plant diseases 2276
hosts, bacteria 2276
Metam
analytical methods
gas chromatography 3557
HPLC 3557
thin layer chromatography 3557
application
deposition 4497
environmental impact 148, 4497
application date, *Vaccinium macrocarpon* 319
application rates, *Vaccinium macrocarpon* 319
control
Maianthemum dilatatum, Vaccinium macrocarpon 319
Orobanche aegyptiaca 2964
weeds, cotton 4689
damage, *Vaccinium macrocarpon* 319
growth rate
Pteridophyta 4497
Spermatophyta 4497
legislation, European Communities 3557
nontarget effects 148
fungi 4497
Pteridophyta 4497
Spermatophyta 4497
properties, physical properties 148
residues
lakes 581
rivers 581
soil 2964, 4497
water 581, 3557
seed germination, *Orobanche aegyptiaca* 2964
soil
degradation 2964, 4497
movement 2964
Metam *cont.*
toxicity 148
fungi 4497
Pteridophyta 4497
Spermatophyta 4497
water, degradation 581
Metam-sodium
control
Stipa neesiana 4309
weeds, lettuces 3810
residues
soil 3161
water 3161
seed germination, lettuces 3810
soil, degradation 3161
water, photolysis 3161
yields, lettuces 3810
Metamitron
adjuvants
Amaranthus retroflexus 225
Chamomilla recutita 225
faba beans 4125
Galium aparine 225
maize 4125
peas 4125
potatoes 4125
rape 4125
sugarbeet 225-226, 4125
analytical methods
polarography 1456
voltammetry 1456
application
application date 2325, 3587
application rates 3671
application date, sugarbeet 793, 3828, 4684
application rates
barley 329
faba beans 4125
maize 4125
peas 4125
potatoes 4125
rape 4125
sugarbeet 226, 793, 2508, 4125, 4134
chemistry
chemical properties 3587
degradation 3587
chlorophyll
Amaranthus retroflexus 225
Chamomilla recutita 225
Galium aparine 225
sugarbeet 225
control
Abutilon theophrasti, sugarbeet 2069
Aethusa cynapium
fodder crops 726
sugarbeet 726
Amaranthus retroflexus, sugarbeet 2069
Ammi majus, sugarbeet 2069
Chenopodium, sugarbeet 2069
Chenopodium album, Chenopodium quinoa 295
Convolvulus arvensis, sugarbeet 2069
Cuscuta campestris, sugarbeet 2069
Fallopia convolvulus, sugarbeet 1658
Galium aparine 4235
Lamium purpureum 4235
Polygonum aviculare, sugarbeet 1658, 2069, 2508
Polygonum latifolium, sugarbeet 2069
Polygonum persicaria 4235
sugarbeet 2069
Solanum nigrum 4235
sugarbeet 2069
Stellaria media 4235
weeds
Chenopodium quinoa 295
faba beans 4125
Lupinus albus 2463
maize 4125
peas 4125
potatoes 4125
rape 4125
sugarbeet 137, 226, 329, 793, 2508, 2888, 3824, 3828, 4125, 4134, 4684, 5097
damage
barley 329
Chenopodium quinoa 295
economics, sugarbeet 793, 2888
Metamitron *cont.*
erosion, barley 329
formulations 225
interactions
adjuvants 225-226, 4125
herbicides 2069, 2888, 3824, 3828, 4134, 4235
leaves
Amaranthus retroflexus 225
Chamomilla recutita 225
Galium aparine 225
sugarbeet 225
properties, physical properties 3587
rain 3824
residual effects, sugarbeet 4684
residues
atmosphere 137
groundwater 139, 2325
rain 137
soil 139, 2325-2326, 3652, 3671
soil water 2326
water 3587
soil
climate 2325
degradation 2326
enzymes 3671
leaching 2325, 3652
microbial activities 3671
movement 2326
persistence 2326
respiration 3671
soil types 139, 2325, 3652, 3671
soil water 2325-2326
temperature 2326
sprayers, sugarbeet 1658
surfactants, sugarbeet 4134
uptake 3824
Amaranthus retroflexus 225
Chamomilla recutita 225
Galium aparine 225
sugarbeet 225
yields, *Lupinus albus* 2463
Metazachlor
analytical methods, sampling 3560
application date, rape 2872
application rates
potatoes 3805
rape 2872
bioassays, rape 1547
cell culture
rice 1121
spinach 1121
control
cereals, as weeds, rape 2498
Chenopodium album, Chenopodium quinoa 295
Galium aparine
potatoes 3805
rape 2498
Galium tricornutum, potatoes 3805
Orobanche cernua, sunflowers 1643
Papaver, rape 2498
Poaceae, rape 2498
Sinapis arvensis, rape 2498
Stellaria media, rape 2498
weeds
asparagus 772
broccoli 2489
Chenopodium quinoa 295
rape 2498, 2872
damage
asparagus 772
Chenopodium quinoa 295
potatoes 3805
sunflowers 1643
degradation
rice 1121
spinach 1121
economics, broccoli 2489
embryo culture, rape 1547
enzymes, rape 1547
fatty acids
rape 1547
rice 1121
spinach 1121
growth rate
rice 1121
spinach 1121
interactions, copper sulfate 3560
lipids, rape 1547
metabolism, rape 1547

Metazachlor *cont.*
residues
aquifers 2300
atmosphere 3560
drinking water 2300
groundwater 2300
rain 3560
river water 2300
soil 2300
surface water 2300
water 616, 2300, 3560
wells 2300
selectivity, asparagus 772
soil
movement 2300
soil types 3805
tolerance
rice 1121
spinach 1121
uptake
rice 1121
spinach 1121
variety trials, potatoes 3805
water
degradation 616
pH 616
photolysis 616
yields
broccoli 2489
potatoes 3805
rape 2872
sunflowers 1643
Methabenzthiazuron
analytical methods, chromatography 4514
application date
Poa pratensis 3843
potatoes 4216
wheat 143, 4482
application methods, potatoes 4216
application rates
potatoes 4216
soyabeans 3799
bioassays
Apera spica-venti 4514
Sinapis arvensis 4514
composition, wheat 2818
control
Ageratum conyzoides
potatoes 4650
soyabeans 3799
Anagallis arvensis
Indian mustard 4233
potatoes 4650
sugarcane 4165
wheat 4165
Borreria articularis, soyabeans 3799
Chenopodium album
Indian mustard 4233
potatoes 4216, 4650
sugarcane 4165
wheat 2817, 2820, 4165
chicory, as weeds, Indian mustard 4233
cress
as weeds
sugarcane 4165
wheat 4165
Cynodon dactylon
Indian mustard 4233
potatoes 4650
soyabeans 3799
Cyperus rotundus
Indian mustard 4233
potatoes 4650
soyabeans 3799
Dactyloctenium aegyptium, soyabeans 3799
Digitaria ciliaris
Indian mustard 4233
soyabeans 3799
Echinochloa crus-galli, potatoes 4216
Fallopia convolvulus, potatoes 4216
Fumaria parviflora, potatoes 4650
Gnaphalium indicum, potatoes 4650
Lathyrus aphaca, wheat 2817, 2820
Medicago denticulata
sugarcane 4165
wheat 4165
Medicago polymorpha, Indian mustard 4233

Methabenzthiazuron *cont.*
control *cont.*
Melilotus alba
Indian mustard 4233
potatoes 4650
Melilotus indica
sugarcane 4165
wheat 2817, 4165
Oxalis corniculata, potatoes 4650
Panicum, soyabeans 3799
Paspalum distichum, Indian mustard 4233
Phalaris minor
Indian mustard 4233
sugarcane 4165
wheat 2817, 2820, 4165
Poa annua, Poa pratensis 3843
Portulaca oleracea, Indian mustard 4233
Rumex dentatus, Indian mustard 4233
Silene conoidea
sugarcane 4165
wheat 4165
Solanum nigrum, potatoes 4650
Spergula arvensis, Indian mustard 4233
Trichodesma indicum, soyabeans 3799
Trifolium fragiferum, Indian mustard 4233
Vicia sativa, wheat 2817, 2820
Viola arvensis, potatoes 4216
weeds
asparagus 772
aubergines 3332
Capsicum 3332
chickpeas 2476
Indian mustard 4233
onions 3332
peas 2041
tomatoes 3332
triticale 5029
wheat 2818
Zantedeschia albomaculata 4249
damage
almonds 3818
asparagus 772
soyabeans 3799
sugarbeet 2074
sugarcane 4165
wheat 2820, 4165
economics, soyabeans 3799
energy cost of activities, soyabeans 3799
energy relations, triticale 5029
enzymes, peas 2041
frost, *Poa pratensis* 3843
growth rate
Acacia melanoxylon 4240
Cupressus lusitanica 4240
Cupressus macrocarpa 4240
Eucalyptus fastigata 4240
Pinus radiata 4240
planting stock 4240
high volume spraying, *Poa pratensis* 3843
interactions, herbicides 2818, 3843, 5029
irrigation, wheat 3644
legislation, Spain 3818
nitrogenase, peas 2041
nodulation, peas 2041
nutrient uptake
Ageratum conyzoides 4650
Anagallis arvensis 4650
Chenopodium album 4650
Cynodon dactylon 4650
Cyperus rotundus 4650
Fumaria parviflora 4650
Gnaphalium indicum 4650
Melilotus alba 4650
Oxalis corniculata 4650
potatoes 4650
Solanum nigrum 4650
photosynthesis, almonds 3818
population dynamics
Ageratum conyzoides 3799
Borreria articularis 3799
Cynodon dactylon 3799
Cyperus rotundus 3799
Dactyloctenium aegyptium 3799
Digitaria ciliaris 3799
Panicum 3799

Methabenzthiazuron *cont.*
population dynamics *cont.*
Trichodesma indicum 3799
proteins, wheat 2818
residual effects 2476
sugarbeet 2074
residues
aquifers 2300
atmosphere 4873
drinking water 2300
groundwater 139, 2300, 4514
river water 2300
soil 139, 2041, 2074, 2300, 3644, 3647, 3669-3670, 3818, 4514, 4526
soil water 3644, 3670
surface water 2300
water 2300
wells 2300
wheat 143, 4482
salinity, wheat 2817
seeds, wheat 4482
selectivity, asparagus 772
soil
bacteria 2041
crop residues 4526
degradation 3669-3670, 4526
fungi 2041
leaching 3644, 3647, 3669-3670, 4514
microbial activities 3669-3670
microorganisms 2041, 4526
mineralization 3669
movement 2300, 3670, 4514
organic matter 3647, 3669-3670
rain 3644
Rhizobium 2041
soil properties 3647
soil types 139
soil water 3644
sorption 3669-3670, 4514
temperature 4526
temperature, *Poa pratensis* 3843
tolerance
Acacia melanoxylon 4240
chickpeas 2476
Cupressus lusitanica 4240
Cupressus macrocarpa 4240
Eucalyptus fastigata 4240
Pinus radiata 4240
planting stock 4240
Poa pratensis 3843
Valeriana officinalis 4250
tubers
potatoes 4650
Zantedeschia albomaculata 4249
variety trials, wheat 4482
yield components, wheat 2817
yields
aubergines 3332
Capsicum 3332
Indian mustard 4233
onions 3332
peas 2041
potatoes 4216, 4650
soyabeans 3799
sugarcane 4165
tomatoes 3332
triticale 5029
wheat 2817, 2820, 4165
Zantedeschia albomaculata 4249
Methazole
analytical methods, liquid chromatography 1455
control
weeds
leeks 3330
onions 2486
Zantedeschia albomaculata 4249
interactions
fertilizers 3801
herbicides 3801
tubers, *Zantedeschia albomaculata* 4249
yields
leeks 3330
Zantedeschia albomaculata 4249
Methyl bromide
application
environmental impact 148
soil injectors 4025

Methyl bromide *cont.*
application rates, *Tanacetum cinerariifolium* 2525
control
Stipa neesiana 4309
weeds
coffee 3360
grapes 3816
Tanacetum cinerariifolium 2525
damage, *Tanacetum cinerariifolium* 2525
nontarget effects 148
properties, physical properties 148
residues
atmosphere 4025
soil 4915
soil
organic matter 4025
pH 4025
soil water 4025
volatilization 4025, 4915
toxicity 148
Methyl-ethyl ester, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2*H*)-pyrimidinyl]benzoic acid, 1- 2797
Methyl isothiocyanate
application, environmental impact 148
nontarget effects 148
properties, physical properties 148
toxicity 148
Metobromuron
analytical methods
chromatography 4576
dialysis 3568
liquid chromatography 3568
application, surfactants 4576
application date
potatoes 313, 2479
sorghum 1607
sunflowers 785, 2061
application methods, potatoes 313
application rates, potatoes 313
chlorosis, potatoes 2479
control
Amaranthus powellii, sunflowers 2061
Amaranthus retroflexus, maize 2826
Ambrosia artemisiifolia, sunflowers 2061
Echinochloa crus-galli
maize 2826
sorghum 1607
sunflowers 2061
Poaceae, potatoes 313
sunflowers, as weeds, sorghum 1607
weeds
chickpeas 2476
maize 2826
sunflowers 2061
damage
Lupinus albus 2462
potatoes 2479
sugarbeet 2074
sunflowers 785
growth rate, sunflowers 2061
interactions
herbicides 1607, 2061, 2826
surfactants 4576
mode of action 313
necrosis, potatoes 2479
plant height, sunflowers 2061
rain, sunflowers 785
residual effects 2476
sugarbeet 2074
residues
river water 3568
soil 2074
tap water 3568
water 3568
seed weight, *Lupinus albus* 2462
selectivity
sorghum 1607
sunflowers 785, 2061
tolerance
chickpeas 2476
Lupinus albus 2462
potatoes 2479
tubers, potatoes 2479
variety trials, potatoes 2479
yields
Lupinus albus 2462
Metobromuron *cont.*
yields *cont.*
potatoes 2479
sunflowers 785, 2061
Metolachlor
abscission, maize 3672
analytical methods 3615
chromatography 4865
ELISA 3575
extraction 569, 1460, 4865
gas chromatography 569, 1869, 3127, 4463
HPLC 569, 4463
immunoassay 578, 1460, 1876
mass spectrometry 1869, 4463
application
application date 2325, 2399
application methods 3170
application rates 2399
band spraying 3170
environmental impact 1959
protective clothing 3714
rain 3170
safety 2399
application date
forests 3388
maize 1191, 3268, 3770
rights of way 3388
roadsides 3388
sorghum 1607, 4182
sugarbeet 2073
sunflowers 2061
application methods, maize 1191, 3770, 3775
application rates
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Hevea 4692
maize 288, 1191, 3265, 3274, 3584, 3770
Rudbeckia hirta 2098
Setaria italica 4500
soyabeans 1625, 3265, 3584, 4642
sugarbeet 2073
wheat 3265
bioassays
rape 1547
rye 1557
Setaria italica 4500
carotenoids, maize 3672
cell culture, maize 1168
cellulase, maize 3672
chemistry, chemical properties 1959
chlorophyll
maize 3672
Salvinia natans 2565
Setaria faberi 3962
Setaria geniculata 3962
Setaria pumila 3962
Setaria viridis 3962
composition
groundnuts 1535
maize 4966
Salvinia natans 2565
control
Abutilon theophrasti, maize 288, 1557
Ageratum conyzoides, Morus australis 4244
Amaranthus, soyabeans 1625
Amaranthus hybridus, sorghum 2435
Amaranthus palmeri, groundnuts 325
Amaranthus powellii, sunflowers 2061
Amaranthus retroflexus
maize 1079, 2006, 2826
sorghum 4182
Amaranthus viridis, Morus australis 4244
Ambrosia artemisiifolia
maize 3267
sorghum 2435
sunflowers 2061
Anagallis arvensis, Indian mustard 4233
Cassia obtusifolia, sorghum 2435
Chenopodium album
Indian mustard 4233
maize 2006
Metolachlor *cont.*
control *cont.*
Chenopodium album cont.
sorghum 2435, 4182
chicory, as weeds, Indian mustard 4233
Commelina benghalensis, Morus australis 4244
Conyza canadensis
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
sorghum 2435
Coronilla varia, maize 3268
Croton lobatus, Hevea 4692
Cynodon dactylon
Indian mustard 4233
maize 1191
Morus australis 4244
Cyperus esculentus
Capsicum annuum 2493
Coreopsis lanceolata 1248
Echinacea purpurea 1248
Gaillardia aristata 1248
Leucanthemum vulgare 1248
Cyperus rotundus
Indian mustard 4233
maize 1191
Morus australis 4244
Dactyloctenium aegyptium, maize 1191
Digitaria ciliaris
Indian mustard 4233
Morus australis 4244
Digitaria insularis, Hevea 4692
Digitaria sanguinalis
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
sorghum 2435
Echinochloa colonum, maize 1191
Echinochloa crus-galli
maize 2006, 2826
sorghum 1607, 4182
sunflowers 2061
Eclipta alba
Coreopsis lanceolata 1248
Echinacea purpurea 1248
Gaillardia aristata 1248
Leucanthemum vulgare 1248
Elymus repens, sugarbeet 2071-2073
Euphorbia humistrata
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Euphorbia maculata
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
Leptochloa fascicularis 3452
Leptochloa filiformis 3452
Lolium perenne 1619
grasslands 1618
seed crops 1618
Lolium rigidum, oats 3768
Medicago polymorpha, Indian mustard 4233
Melilotus alba, Indian mustard 4233
Orobanche cernua, sunflowers 1643
Oxalis stricta
Chrysanthemum superbum 2098

Metolachlor *cont.*
control *cont.*
Oxalis stricta cont.
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
Panicum dichotomiflorum, maize 2430
Panicum texanum, groundnuts 325
Paspalum distichum, Indian mustard 4233
Phalaris minor, Indian mustard 4233
Poaceae, sugarbeet 2073
Polygonum lapathifolium, maize 2006
Polygonum pensylvanicum, maize 288
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
Portulaca oleracea
Indian mustard 4233
maize 1191
Rumex dentatus, Indian mustard 4233
Setaria faberi, maize 288
Setaria pumila, maize 1557, 2006
Setaria viridis 425
maize 1079, 3269
Solanum nigrum, sorghum 4182
Sorghum halepense
apples 2495
peaches 2495
Spergula arvensis, Indian mustard 4233
sunflowers, as weeds, sorghum 1607
Trifolium fragiferum, Indian mustard 4233
Wedelia paludosa, Hevea 4692
weeds 2399
apples 2495
aubergines 3332
Capsicum 3332
chickpeas 2476
cotton 2083-2084
cowpeas 1629, 2083
groundnuts 3356
Hemarthria altissima 4196
Indian mustard 4233
maize 743, 1869, 2430, 2822, 2824, 2826, 3265, 3274, 3770-3771, 3775-3776, 4500
onions 3332
peaches 2495
pigeon peas 4213
soyabeans 758, 1625, 3265, 4207
sugarbeet 1653, 1656
sunflowers 2061
tomatoes 3332
wheat 3265
Xanthium strumarium, sorghum 2435
damage
Capsicum annuum 2493
Chrysanthemum superbum 2098
Coreopsis lanceolata 1248, 2098
Echinacea purpurea 1248, 2098
Gaillardia aristata 1248, 2098
Hevea 4692
lawns and turf 1242
Leucanthemum vulgare 1248
Lupinus albus 2462
oats 3768
Rudbeckia hirta 2098
rye 1557
sorghum 1192, 4182
soyabeans 1625, 4642
Stenotaphrum secundatum 4103
sunflowers 1643
degradation, *Vigna radiata* 4550
development
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
economics, maize 3776
embryo culture, rape 1547

Metolachlor *cont.*
energy relations
maize 3265
soyabeans 3265
wheat 3265
enzymes
maize 1168, 3672, 4580, 4966
rape 1547
Setaria faberi 3962
Setaria geniculata 3962
Setaria pumila 3962
Setaria viridis 3962
establishment, *Andropogon gerardii* 5055
fatty acids
groundnuts 1535
rape 1547
flowering
Allium sphaerocephalon 2896
Canna 2896
Coreopsis lanceolata 1248
Crocosmia crocosmiiflora 2896
Echinacea purpurea 1248
Gaillardia aristata 1248
Hemerocallis 2896
Iris germanica 2896
Leucanthemum vulgare 1248
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
formulations 2073, 3133
controlled release 1959, 3703
emulsifiable concentrates 3714
emulsions 1557
encapsulation 288, 1079, 1959, 3703
powders 1079
glutathione, maize 1168, 4966
glutathione transferase
maize 4580, 4966
Setaria faberi 3962
Setaria geniculata 3962
Setaria pumila 3962
Setaria viridis 3962
growth rate
Allium sphaerocephalon 2896
apples 2495
barley 3764
Canna 2896
Capsicum annuum 2493
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lemna minor 3436
Lilium 2896
maize 3268, 4966
Narcissus 2896
oats 3764
Ornithogalum umbellatum 2896
Paeonia 2896
peaches 2495
Salvinia natans 2565
Setaria italica 4500
soyabeans 3681
Stenotaphrum secundatum 4103
sugarbeet 3759
sunflowers 2061
wheat 3759
interactions
fertilizers 232
fungicides 1192, 1535
herbicides 1535, 1607, 2061, 2826, 3452, 3759, 3764, 3768, 4103, 4207, 4692, 5055
pesticides 2399
safeners 1192, 3237
legislation
Canada 578
France 3770
Poland 2399
lipids, rape 1547
magnesium, groundnuts 1535
membrane potential
oats 195
wheat 195
metabolism, rape 1547
mode of action 3770
oats 195
wheat 195
nontarget effects, fungi 3602
nutrient content, groundnuts 1535

Metolachlor *cont.*
nutrient uptake
Ageratum conyzoides 4244
algae 3436
Amaranthus viridis 4244
Commelina benghalensis 4244
cyanobacteria 3436
Cynodon dactylon 4244
Cyperus rotundus 4244
Digitaria ciliaris 4244
groundnuts 3356
Morus australis 4244
oils, soyabeans 1625
peroxidase, maize 4966
pigments, *Salvinia natans* 2565
plant diseases, sorghum 3780
plant growth regulators, maize 3672
plant height
maize 4966
soyabeans 4642
sunflowers 2061
plant pests, *Capsicum annuum* 2493
population density
Andropogon gerardii 5055
maize 3776
sorghum 3780
soyabeans 4642
wheat 3780
properties, solubility 1959, 3703, 4481
proteins, soyabeans 1625
quality
groundnuts 1535
soyabeans 1625
sugarbeet 2072
rain, *Setaria viridis* 425
registration
Australia 3768
Canada 3436
Poland 2399
residual effects 2476
barley 3764
oats 3764
sugarbeet 3759
wheat 3759
residues
aquifers 2300
atmosphere 578, 4463
barley 4513
beans 4513
broccoli 3127
cabbages 3127
drinking water 2300, 3584
groundwater 628, 2300, 2325, 3140, 3655
growing media 2757
lakes 582, 4478
maize 1460, 3133, 4481
precipitation 578
protective clothing 3714
rain 4463
river water 2300, 4463
sediment 4865
soil 169, 232, 569, 582, 618, 628-629, 631, 1079, 1083, 1103, 1857-1858, 1869, 2300, 2325, 2750, 2757, 3133, 3166, 3170, 3575, 3615, 3620, 3655, 3659, 3759, 3764, 3770, 3780, 4066, 4481, 4499-4500, 4513, 4875, 4935, 4938
soil water 629, 3166, 3655, 4499, 4513
surface water 578, 629, 2300
tomatoes 3127
water 569, 582, 1869, 2300, 4865
wells 1869, 2300
resistance
Lolium rigidum 983
Setaria faberi 3962
Setaria geniculata 3962
Setaria pumila 3962
Setaria viridis 3962
roots
Cyperus esculentus 2493
maize 4966
sorghum 3780
soyabeans 3681
Stenotaphrum secundatum 4103
safeners
maize 1168, 3237, 4580
sorghum 1192

Metolachlor *cont.*
seed production
grasslands 1618
Lolium perenne 1619
seed crops 1618
seed weight, *Lupinus albus* 2462
selectivity
sorghum 1607
soyabeans 1625
sunflowers 2061
shoots, maize 4966
soil
Actinomycetales 4938
bacteria 1103, 4938
biodegradation 3615, 4935
chemical degradation 631, 3615
climate 2325, 3655
degradation 169, 232, 1858, 3659, 4066
earthworms 618
fertilizers 232
fungi 3780, 4938
leaching 628, 1083, 1858, 2325, 2757, 3655, 4513
microbial degradation 3615
microorganisms 1103
movement 618, 1079, 1083, 1858, 2300, 3620, 3655, 3659, 4513
organic matter 2750, 3615, 3620, 4499
oxygen 3615
persistence 1079, 3133, 3659, 3770, 4066, 4500, 4513
pH 2750, 3615, 3780
rain 1858
runoff 582, 629, 3166, 3170, 4499
soil flora 4938
soil types 169, 628, 1858, 2325, 2750, 3615, 3620, 4500
soil water 2325, 3615, 4066, 4499, 4642
sorption 618, 631, 1083, 1858, 2750, 3620
temperature 3615
volatilization 1857, 3659
soil water
maize 3770
soyabeans 4642
tolerance
Allium sphaerocephalon 2896
Canna 2896
chickpeas 2476
Chrysanthemum superbum 2098
Coreopsis lanceolata 1248, 2098
Crocosmia crocosmiiflora 2896
Echinacea purpurea 1248, 2098
Gaillardia aristata 1248, 2098
Hemerocallis 2896
Iris germanica 2896
Leucanthemum vulgare 1248
Lilium 2896
Lupinus albus 2462
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Rudbeckia hirta 2098
sorghum 1192
soyabeans 3681, 4642
toxicity 2399
aquatic organisms 3436
carcinogens 153, 3584
Crustacea 3158
ecosystems 3436
fungi 3602
goats 4046
hamsters 153
man 3584
tubers, *Cyperus esculentus* 2493
uptake, maize 4481
variety trials
maize 3274
sorghum 1192
soyabeans 3681, 4642
yield components, kenaf 1237
yields
Andropogon gerardii 5055
aubergines 3332
Capsicum 3332
cotton 2083-2084
cowpeas 2083
grasslands 1618

Metolachlor *cont.*
yields *cont.*
groundnuts 325
Indian mustard 4233
Lolium perenne 1619
Lupinus albus 2462
maize 288, 743, 2822, 2824, 3265, 3267, 3274, 3775-3776
Morus australis 4244
onions 3332
pigeon peas 4213
seed crops 1618
sorghum 3780
soyabeans 758, 3265, 4642
sugarbeet 1653, 2072
sunflowers 1643, 2061
tomatoes 3332
wheat 3265
zinc, groundnuts 1535
Metosulam
analytical methods
gas chromatography 3570
liquid chromatography 3570
mass spectrometry 3570
ultraviolet radiation 3570
application, safety 2387
control
Galium aparine 2387
Viola arvensis 2387
damage, wheat 2387
formulations 2387
interactions
adjuvants 2387
surfactants 2387
legislation, UK 240
properties, physicochemical properties 2387
residues, soil 3570
soil, soil types 3570
surfactants, wheat 2387
Metoxuron
adjuvants
Bromus sterilis 1729
Chenopodium album 1167
analytical methods
dialysis 3568
liquid chromatography 3568
application date
Bromus sterilis 1729
carrots 1632
wheat 143
application methods, *Bromus sterilis* 1729
application rates, carrots 1632
chloroplasts, maize 1146
composition, wheat 2818
control
Anagallis arvensis, Indian mustard 4233
Bromus sterilis 1729
Capsella bursa-pastoris, carrots 1632
Chenopodium album 1167
carrots 1632
Indian mustard 4233
wheat 2817, 2820
chicory, as weeds, Indian mustard 4233
Cynodon dactylon, Indian mustard 4233
Cyperus rotundus
Indian mustard 4233
wheat 727
Digitaria ciliaris, Indian mustard 4233
Echinochloa crus-galli, carrots 1632
Lathyrus aphaca, wheat 2817, 2820
Medicago polymorpha
Indian mustard 4233
wheat 727
Melilotus, wheat 727
Melilotus alba, Indian mustard 4233
Melilotus indica, wheat 2817
Paspalum distichum, Indian mustard 4233
Phalaris minor
Indian mustard 4233
wheat 727, 2817, 2820
Portulaca oleracea, Indian mustard 4233
Rumex dentatus, Indian mustard 4233

Metoxuron *cont.*
control *cont.*
Spergula arvensis, Indian mustard 4233
Trifolium fragiferum
Indian mustard 4233
wheat 727
Vicia sativa, wheat 2817, 2820
weeds
Indian mustard 4233
wheat 2818
damage
carrots 1632
wheat 2820
economics, carrots 1632
interactions
adjuvants 1167, 1729
herbicides 2818
surfactants 1167
lipids, maize 1146
proteins, wheat 2818
residues
river water 3568
soil 4069-4070
tap water 3568
water 3568
wheat 143
salinity, wheat 2817
soil
organic matter 4069
soil types 4069
sorption 4069-4070
soil water, *Bromus sterilis* 1729
temperature, *Bromus sterilis* 1729
yield components, wheat 2817
yields
Indian mustard 4233
wheat 727, 2817, 2820
Metribuzin
α-amylase
maize 206
Ricinus communis 206
β-amylase
maize 206
Ricinus communis 206
analytical methods 3615
extraction 2286
antagonism, soyabeans 3796
application
adjuvants 2380
application methods 2327, 3170
application rates 2327
band spraying 2327, 3170
environmental impact 1959
rain 2327, 3170
application date
maize 2428
potatoes 313, 674, 1631, 2479, 3806, 4216
soyabeans 2471
sugarcane 789, 1229, 2884, 5095
application methods
potatoes 313, 4216
sugarcane 789, 2884, 5095
sweet potatoes 2863
wheat 2419
application rates
apples 2055
Hevea 4692
maize 206, 1139, 2428
potatoes 313, 674, 1631, 3805, 4216
Ricinus communis 206, 1139
Solanum ptycanthum 986
soyabeans 1625, 2470-2471, 4207, 5066
sugarcane 789, 2884
callus, tomatoes 2343
carotenoids
maize 1139
Ricinus communis 1139
cell culture, *Chenopodium rubrum* 1137
chemistry, chemical properties 1959
chlorophyll
maize 1139
Ricinus communis 1139
chlorosis, potatoes 2479
control
Agrostis capillaris
Festuca 3304
grasslands 3304
Amaranthus, soyabeans 1625

Metribuzin *cont.*
control *cont.*
Amaranthus albus, potatoes 1630
Amaranthus retroflexus
potatoes 1630
tomatoes 4659
Amaranthus viridis, potatoes 3322
Ambrosia artemisiifolia, potatoes 4651
Anthemis arvensis, potatoes 2221
Bromus tectorum, wheat 2419, 2458
Capsella bursa-pastoris, potatoes 1630
Cassia obtusifolia, soyabeans 2470-2471
Cassia occidentalis, soyabeans 5066
Chenopodium album, potatoes 1630, 2221, 3326, 4216
Cirsium arvense, potatoes 2221
Cleome monophylla, potatoes 3322
Commelina benghalensis, potatoes 3322
Coronopus didymus, potatoes 3326
Cosmos bipinnatus, potatoes 4651
Croton lobatus, Hevea 4692
Cynodon dactylon, potatoes 4651
Cyperus rotundus, potatoes 3322, 3326, 4651
Dactylis glomerata
Festuca 3304
grasslands 3304
Digitaria
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
Digitaria cruciata, potatoes 4651
Digitaria insularis, Hevea 4692
Digitaria marginata, potatoes 3322
Digitaria sanguinalis, Cynodon dactylon 357
Echinochloa colonum, potatoes 3322, 4651
Echinochloa crus-galli, potatoes 2221, 4216
Eleusine indica
Cynodon dactylon 356-357
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
Elymus repens, potatoes 2221
Fagopyrum cymosum, potatoes 4651
Fallopia convolvulus, potatoes 4216
Festuca arundinacea, sorghum × *Sorghum sudanense* 2032
Galinsoga parviflora, potatoes 2221
Galium aparine
cereals 2414
potatoes 3805
Galium tricornutum, potatoes 3805
Geranium nepalense, potatoes 4651
Gnaphalium luteo-album, potatoes 4651
Ipomoea lacunosa, soyabeans 2470-2471, 3796
Lolium perenne
Festuca 3304
grasslands 1618, 3304
seed crops 1618
Melilotus indica, potatoes 3326
oats, as weeds, potatoes 1630
Poa annua, potatoes 3326
Poaceae
cereals 2414
lentils 4648
Polygonaceae, potatoes 2221
Rottboellia cochinchinensis, sugarcane 789
Rumex, potatoes 3326
Senna obtusifolia, soyabeans 3796
Setaria faberi, tomatoes 4659
Sinapis arvensis, potatoes 2221
Solanum khasianum, potatoes 3322
Solanum sarrachoides, potatoes 1630
Solanum triflorum, potatoes 1630
Sorghum halepense, sugarcane 1229, 4796

Metribuzin *cont.*
control *cont.*
Spergula arvensis, potatoes 3326, 4651
Sporobolus indicus, Cynodon dactylon 2522
Stellaria media
barley 2257
potatoes 2221
wheat 2257
Trifolium repens
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
Viola arvensis, potatoes 4216
Vulpia myuros
Festuca 3304
grasslands 3304
Wedelia paludosa, Hevea 4692
weeds
apples 2055
aubergines 3332
barley 2414
Capsicum 3332
cereals 2414
Festuca 3304
grasslands 3304
groundnuts 3354
lentils 3317, 4648
lucerne 2461
maize 2428-2429, 5037
onions 3332
peas 1215, 3317
potatoes 313, 936, 2048, 2461, 2481, 2483, 3806
sorghum × *Sorghum sudanense* 2032
soyabeans 758, 1625, 2429, 2461, 4207
sugarcane 2067, 2884, 5095
sweet potatoes 2863
tomatoes 2461, 3332, 3338, 4659
wheat 730, 2414
cross resistance, *Abutilon theophrasti* 1810
damage
apples 2055
barley 2414
cereals 2414
Cynodon dactylon 356-357, 2522
Cynodon transvaalensis × *C. dactylon* 356
Festuca 3304
golf courses 356
grasslands 3304
groundnuts 3354
Hevea 4692
lentils 4648
Lupinus albus 2462
Poa pratensis 356
potatoes 1217, 1630-1631, 2479, 3805
soyabeans 1625, 2470
sugarcane 789
wheat 2414
Zoysia 356
economics
potatoes 2481, 4651
soyabeans 4207
sugarcane 2067
wheat 730
electron transfer, cyanobacteria 1544
enzymes
maize 206, 1139
Ricinus communis 206, 1139
flowering, apples 2055
formulations 2327
controlled release 1959, 2380
encapsulation 1959, 2380
β-fructofuranosidase
maize 206
Ricinus communis 206
genetic variation, *Solanum ptycanthum* 986
growth rate
apples 2055
cotton 1905
Lemna minor 3436

Metribuzin *cont.*
growth rate *cont.*
maize 206, 1905
okras 1905
Ricinus communis 206
Solanum ptycanthum 986
sorghum 1905
sunflowers 1905
Vigna mungo 1905
Vigna radiata 1905
wheat 2419
interactions
herbicides 2414, 3304, 3796, 3806, 4207, 4692, 5037, 5066
insecticides 1631
legislation
Belarus 2461
Kazakhstan 2461
Kyrgyzstan 2461
Latvia 2461
Moldova 2461
Russia 2461
Tajikistan 2461
Turkmenistan 2461
Ukraine 2461
USA 2428
Uzbekistan 2461
mode of action 313
mutants, cyanobacteria 1544
necrosis, potatoes 2479
nectar, lucerne 4567
nitrate reductase
maize 1139
Ricinus communis 1139
nitrates
maize 1139
Ricinus communis 1139
nitrogen content
maize 1139
Ricinus communis 1139
nontarget effects, honey bees 4567
nozzles, soyabeans 2470
nutrient uptake
algae 3436
Ambrosia artemisiifolia 4651
Cosmos bipinnatus 4651
cyanobacteria 3436
Cynodon dactylon 4651
Cyperus rotundus 4651
Digitaria cruciata 4651
Echinochloa colonum 4651
Fagopyrum cymosum 4651
Geranium nepalense 4651
Gnaphalium luteo-album 4651
Spergula arvensis 4651
oils, soyabeans 1625
organogenesis, tomatoes 2343
photosynthesis, *Chenopodium rubrum* 1137
photosystem II
Chenopodium rubrum 1137
cyanobacteria 1544
pigments, potatoes 1217
plant breeding, tolerance 3695
plant growth regulators, tomatoes 2343
plant height
cotton 1905
maize 1905
okras 1905
sorghum 1905
sugarcane 5095
sunflowers 1905
Vigna mungo 1905
Vigna radiata 1905
polysaccharides
maize 206
Ricinus communis 206
properties, solubility 1959, 2327
proteinases
maize 1139
Ricinus communis 1139
proteins
Chenopodium rubrum 1137
soyabeans 1625
quality
potatoes 1631
soyabeans 1625
sugarcane 2067
regeneration, tomatoes 2343
registration
Belarus 2461

Metribuzin *cont.*
registration *cont.*
Canada 3436
Kazakhstan 2461
Kyrgyzstan 2461
Latvia 2461
Moldova 2461
Russia 2461
Tajikistan 2461
Turkmenistan 2461
Ukraine 2461
USA 2428
Uzbekistan 2461
residual effects
apples 2055
cotton 1905
maize 1905
okras 1905
sorghum 1905
sunflowers 1905
Vigna mungo 1905
Vigna radiata 1905
residues
Bromus diandrus 1593
lakes 582
soil 168, 170, 582, 1089, 1905, 2286, 2327, 2380, 3159, 3170, 3615, 4875, 4921
soil water 1089, 2380, 4921
water 582, 2327
wheat 1593
resistance
Abutilon theophrasti 1810
algae 3695
Chenopodium rubrum 1137
cyanobacteria 1544
Fallopia convolvulus 4216
Lolium rigidum 983
Solanum ptycanthum 986
Viola arvensis 4216
seed germination
cotton 1905
maize 1905
okras 1905
sorghum 1905
sunflowers 1905
Vigna mungo 1905
Vigna radiata 1905
seed production
grasslands 1618
seed crops 1618
seed weight, *Lupinus albus* 2462
selectivity, soyabeans 1625
soil
biodegradation 3159, 3615
chemical degradation 3615
degradation 168, 170, 1089
leaching 168, 1089, 2327, 2380, 3170, 4921
microbial degradation 3615
movement 170, 1089, 2327
organic matter 3615
oxygen 3615
persistence 1089, 2327, 2380, 3159
pH 3615
runoff 582, 2327, 3170
soil types 3615, 3805
soil water 3615
sorption 1089, 2327, 3170
temperature 3615
tillage 3159
soil water, soyabeans 4207
sprayers, sugarcane 2884
starch, potatoes 674
sucrose
maize 206
Ricinus communis 206
sugars
lucerne 4567
maize 206
Ricinus communis 206
sugarcane 1229
tissue culture, tomatoes 2343
tolerance
apples 2055
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
lucerne 2461
Lupinus albus 2462
Metribuzin *cont.*
tolerance *cont.*
Poa pratensis 356
potatoes 1630, 2461, 2479
soyabeans 2461, 2470
sweet potatoes 2863
tomatoes 2343, 2461
wheat 1593, 2353
Zoysia 356
toxicity
aquatic organisms 3436
Crustacea 3158
ecosystems 3436
rats 4488
tubers, potatoes 1631, 2479, 3322, 3326
variety trials
potatoes 674, 2479, 3805
tomatoes 2343
wheat 2353
yields
apples 2055
aubergines 3332
Capsicum 3332
Festuca 3304
grasslands 1618, 3304
groundnuts 3354
Lupinus albus 2462
onions 3332
peas 1215
potatoes 1630-1631, 2048, 2479, 2481, 3322, 3326, 3805, 4216, 4651
seed crops 1618
soyabeans 758, 2470, 3796, 4207, 5066
sugarcane 1229, 2067, 5095
sweet potatoes 2863
tomatoes 3332, 4659
wheat 2419
Metsulfuron
analytical methods
extraction 3558, 4011
gas chromatography 4068
HPLC 2723
application date
Aegilops cylindrica 5127
Bromus tectorum 5127
Conyza canadensis 5127
Pseudotsuga menziesii 2520
application methods
Pseudotsuga menziesii 2520
wheat 2419
application rates
barley 264
cereals 264
bioassays
carrots 1463
Chenopodium album 1463
oats 1463
onions 1486
Sinapis alba 4068
sorghum 4068
Stellaria media 1463
Vigna unguiculata subsp. *sesquipedalis* 4501
wheat 1463
cell culture
carrots 1463
Chenopodium album 1463
oats 1463
Stellaria media 1463
wheat 1463
cell growth, algae 4945
chemistry, new products 3299
composition, *Festuca arundinacea* 3185
control
Acer macrophyllum, Pseudotsuga menziesii 2520
Aegilops cylindrica, fallow 5127
Aethusa cynapium, wheat 272
Anagallis arvensis, wheat 4166
Avena fatua 3700
wheat 4166
Bromus secalinus, wheat 3758
Bromus tectorum
fallow 5127
wheat 2419, 2458
Carduus nutans, roadsides 815
Chenopodium album
Bromus inermis 2456
Chenopodium quinoa 295
Metsulfuron *cont.*
control *cont.*
Chenopodium album cont.
wheat 4166
Cirsium arvense, wheat 4166
Cleome viscosa, groundnuts 2501
Conyza canadensis, fallow 5127
Cryptostegia grandiflora 2532
Cynodon dactylon
groundnuts 2501
soyabeans 2464
Cyperus rotundus
groundnuts 2501
soyabeans 2464
Digera arvensis
groundnuts 2501
soyabeans 2464
Digitaria
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
Echinochloa colonum, soyabeans 2464
Eleusine indica
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
groundnuts 2501
Poa pratensis 356
Zoysia 356
Eupatorium capillifolium 1725
Euphorbia hirta, groundnuts 2501
Galium aparine
cereals 4158
wheat 272
Lolium perenne
Cynodon dactylon 1244
Zoysia japonica 1244
Melilotus indica, wheat 4166
Papaver rhoeas, wheat 272
Phalaris minor, wheat 4166
Phyllanthus niruri
groundnuts 2501
soyabeans 2464
rape, as weeds, wheat 272
raspberries, as weeds, *Picea mariana* 5120
Stellaria media
barley 2257
wheat 272, 2257
Thlaspi arvense, Bromus inermis 2456
Trifolium repens
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
Veronica hederifolia, wheat 272
Veronica persica, wheat 272
Viola arvensis, cereals 4158
weeds
barley 264, 273, 4174, 4618
cereals 264, 4158
Chenopodium quinoa 295
Lotus corniculatus 4203
Miscanthus sinensis 2099
rice 3298-3299
sorghum 729
triticale 2423
wheat 273, 729, 2423, 4166, 4618
cross resistance, *Stellaria media* 3965
damage
Bromus inermis 2454
Buchloe dactyloides 1615
Chenopodium quinoa 295
Cynodon dactylon 356, 1244
Cynodon transvaalensis × *C. dactylon* 356
Festuca rubra 2454
golf courses 356
lucerne 2454
Miscanthus sinensis 2099
oil palms 2063
onions 1486
Phleum pratense 2454

Metsulfuron *cont.*
damage *cont.*
Poa pratensis 356
Trifolium pratense 2454
Zoysia 356
Zoysia japonica 1244
degradation
Astragalus mollissimus 2910
Oxytropis sericea 2910
digestibility, *Festuca arundinacea* 5062
economics
Cryptostegia grandiflora 2532
sorghum 729
wheat 729
enzymes, *Stellaria media* 3965
establishment, *Lotus corniculatus* 4203
fibre, *Festuca arundinacea* 5062
growth rate
algae 4945
barley 273
carrots 1463
Chenopodium album 1463
Lemna minor 3436
oats 1463
onions 1486
Picea mariana 5120
rice 3298
Stellaria media 1463
wheat 273, 1463, 2419
interactions
herbicides 2423, 3758, 4166, 4940, 5062
surfactants 4166
lodging, rice 3298
membranes, algae 4945
mode of action, *Stellaria media* 3965
nutrient uptake
algae 3436
cyanobacteria 3436
pH, algae 4945
pigments, *Festuca arundinacea* 3185
plant breeding
genetic transformation 2786
tolerance 2786
plant height, *Festuca arundinacea* 3185
proteins, *Festuca arundinacea* 5062
registration, Canada 3436
regrowth, *Carduus nutans* 815
reproduction, algae 4945
residual effects
Bromus inermis 2454
Festuca rubra 2454
lucerne 2454
maize 4618
Phleum pratense 2454
soyabeans 4618
Trifolium pratense 2454
residues
soil 1486, 2454, 3558, 3622, 4068, 4501, 4940
water 1070, 1075, 4011
resistance
Sisymbrium orientale 4410
Stellaria media 3965
seed production, *Festuca arundinacea* 3185, 5062
selectivity
Astragalus mollissimus 2910
Oxytropis sericea 2910
soil
degradation 4068, 4501
fungi 4940
leaching 1486
microbial degradation 1486, 4501
movement 1486
nitrification 1486
persistence 1486, 4068, 4501
soil types 1486, 3558, 4501
soil water 4068, 4501
sorption 3622
temperature 4068, 4501
stems, rice 3298
surfactants
Ulex europaeus 4255
wheat 4166
survival, *Picea mariana* 5120
susceptibility, *Stellaria media* 3965
synergism, wheat 3758
tillering
barley 273
wheat 273

Metsulfuron *cont.*
tolerance
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
flax 2786
golf courses 356
Poa pratensis 356
Zoysia 356
toxicity
algae 1075, 4945
aquatic organisms 3436
cyanobacteria 1075
ecosystems 3436
zooplankton 1070
translocation
Astragalus mollissimus 2910
Oxytropis sericea 2910
uptake
algae 4945
Astragalus mollissimus 2910
Oxytropis sericea 2910
Ulex europaeus 4255
variety trials
barley 273
wheat 273, 3758
water
algae 1075
cyanobacteria 1075
zooplankton 1070
yield components, *Lotus corniculatus* 4203
yields
Bromus inermis 2454, 2456
cereals 4158
Festuca arundinacea 3185, 5062
Festuca rubra 2454
groundnuts 2501
lucerne 2454
Phleum pratense 2454
rice 3298
sorghum 729
soyabeans 2464
Trifolium pratense 2454
triticale 2423
wheat 729, 2419, 2423, 3758, 4166
Meturon 5104
Mexico
Atriplex elegans 2259
bananas 3541
Bursera hindsiana, Phrygilanthus sonorae 3418
Bursera microphylla, Phrygilanthus sonorae 3418
carrots 4217
herbicides
extension 2313
paraquat 2313
toxicity 2313
lucerne 4202
maize 4211
Mimosa pigra 563
Phaseolus vulgaris 4211
weed control
flooding
potatoes 5076
strawberries 5076
weeds
Atriplex canescens 1368
Buchloe dactyloides 2172
deserts 1368
emergence 3959
establishment 3959
forests 3845
Haematoxylum campechianum 3845
hosts of plant diseases 3980
maize 473
Mimosa bahamensis 3845
Mimosa pigra 3980
yields 473
wheat 4356
Microorganisms
control
Cirsium arvense 455
Poaceae 2278
weeds 902, 3992
Middle East
weed control
extension 2980
Orobanche 2980
research 2980

Middle East *cont.*
weeds
extension 2980
Orobanche 2980
research 2980
Mikado 4626
Mikania cordata
biology
branching 2533
flowers 2533
growth stages 2533
internodes 2533
leaves 2533
light 2533
roots 2533
stems 2533
vegetative propagation 2533
ecology
emergence 2533
light 2533
survival 2533
seeds
light 2533
seed germination 2533
seed production 2533
viability 2533
Mikania micrantha
biology
flowering 3684
flowers 3684
fruiting 3684
growth rate 3684
photoperiodism 3684
control
biological control 2712, 3999
chemical control 1227, 1515
ecology, allelopathy 3056
herbicides
growth 3684
light 1515
seed germination 3684
translocation 1515
uptake 1515
hosts, fungi 2712
seeds
light 3684
seed germination 3684
temperature 3684
Millets
herbicides
application rates 4183
yields 3755
Mali 1194
Raphanus raphanistrum, chemical control 3034
Russia 746
Striga hermonthica
host parasite relationships 1690
Nigeria 1690
plant height 1690
resistance 1690
weed control, plant competition 1281
weeds
chemical control 2832, 3755
integrated control 1322, 4314
occurrence 978
species diversity 2832
Mimosa bahamensis
biology, taxonomy 3845
ecology
distribution 3845
disturbed land 3845
phenology 3845
weed associations 3845
forests
distribution 3845
invasion 3845
occurrence 3845
Haematoxylum campechianum
distribution 3845
invasion 3845
occurrence 3845
roads
distribution 3845
invasion 3845
occurrence 3845
trails
distribution 3845
invasion 3845
occurrence 3845

Mimosa invisa
biology
anthers 5143
development 5143
reproduction 5143
control, biological control 5144
hosts, insects 5144
Papua New Guinea 5144
Mimosa pigra
Australia 105, 371, 563, 4261
Brazil 563
control
biological control 105, 563
chemical control 371
cultural control 371
integrated control 371
ecology
colonizing ability 563
fire effects 371
introduction 105
spread 563
hosts
fungi 563, 3980
insects 563, 5135, 5141
Mexico 563
seeds
buried seeds 371
fire 371
seed banks 371, 4261
seed dispersal 2108
seed dormancy 4261
seed germination 371, 4261
soil flora 4261
soil types 4261
temperature 4261
Thailand 105
Venezuela 563
wetlands
grazing 2108
habitats 2108
invasion 2108
rain 2108
spread 2108
Mimosa pudica
control
chemical control 1212, 4631
integrated control 4631
physical control 4631
rice
plant competition 4631
yields 4631
Miscanthus ogiformis
Denmark 4199
herbicides, application date 4199
weed control
economics 4199
labour requirements 4199
weeds
chemical control 4199
physical control 4199
Miscanthus sinensis
ecology
light 4788
spatial distribution 4788
Germany 2099
herbicides, damage 2099
Japan 4788
Quercus serrata
light 4788
plant competition 4788
utilization, energy sources 2099
weed control, damage 2099
weeds
chemical control 1225
yields 1225
Mites (*see also* Acari)
Moldova
flora 3915
garlic 3333
herbicides
barley 1980
maize 1980
Phaseolus 1980
soyabeans 1980
sunflowers 1980
wheat 1980
lucerne 2461
potatoes 2461
soyabeans 2461
tomatoes 2461
Moldova *cont.*
weed control
barley 1980
maize 1980
Phaseolus 1980
soyabeans 1980
sunflowers 1980
wheat 1980
Molinate
analytical methods
extraction 1453, 2285, 4457
liquid chromatography 2285
application date, rice 2024
application methods, rice 3784
application rates
Echinochloa crus-galli 1576
rice 2024
bioassays, algae 3682
control
aquatic weeds, rice 2028
Echinochloa crus-galli 1576
rice 2024, 2028, 3784
Heteranthera reniformis, rice 2436
rice, as weeds, rice 2438, 5054
weeds, rice 1470, 2025, 2028, 3298, 3787
damage, rice 5054
economics, rice 3784
environmental impact, rice 3144
growth rate
algae 3682
Echinochloa crus-galli 1576
interactions, herbicides 1576, 2024, 3784, 3787
residues
canals 1470
foods 2731
river water 3682
rivers 2285
streams 1470
surface water 1470
water 2285, 2731, 4457
resistance, *Echinochloa crus-galli* 2024
synergism, *Echinochloa crus-galli* 1576
toxicity
aquatic organisms 4059
Crustacea 4059
rats 1480
yields, rice 2025, 2028, 3298, 3784, 3787
Molinia caerulea
ecology
litter 1379
mineralization 1379
nutrient availability 1379, 1390
organic matter 1379
plant competition 1390
plant succession 1379
population dynamics 1379
heathlands, Netherlands 1379
Mollugo pentaphylla
control
chemical control 4604
integrated control 4604
physical control 4604
herbicides, residual effects 4604
Mollugo verticillata
control, chemical control 1564, 2849, 5123
ecology
nutrient availability 464
nutrient content 464
plant communities 464
Phaseolus vulgaris, USA 2849
potatoes
nutrient uptake 936
plant competition 936
yields 936
MON-12037 3680
MON 12051 2094
MON 15104 3378
Mongolia, flora 2622
Monochoria vaginalis
biology
anatomy 3875
emergence 4632
morphology 3875
seedlings 3875
control
biological control 1197
chemical control 3055, 3292, 4193, 4334, 4630, 4632, 5046, 5048
Monochoria vaginalis *cont.*
control *cont.*
cultural control 1405-1406, 3292, 4193
physical control 3292, 4193, 4630, 5048
ecology
population density 3055
seasonal variation 4632
herbicides
seed banks 4334
seed production 4334
rice
emergence 3936
growth rate 3936
leaf area 3936
leaves 3936
nutrient uptake 3292
Philippines 3936
plant competition 1405, 3936
population density 1405-1406, 3292, 3936
yields 3292, 3936
seeds
buried seeds 3055
seed banks 3055, 4334
seed production 4334
Vigna radiata
nutrient uptake 3292
population density 3292
yields 3292
Monolinuron
analytical methods
chromatography 3571
electrophoresis 3571
application date
carrots 1632
potatoes 313
application methods, potatoes 313
application rates
carrots 1632
potatoes 313
control
Capsella bursa-pastoris, carrots 1632
Chenopodium album, carrots 1632
Echinochloa crus-galli, carrots 1632
weeds
chickpeas 2476
potatoes 313
damage, carrots 1632
economics, carrots 1632
mode of action 313
residual effects 2476
resistance, *Alopecurus myosuroides* 1123
tolerance, chickpeas 2476
Monterey pine (*see Pinus radiata)*
Monuron
amino acids, maize 3207
analytical methods
chromatography 3571, 4576
dialysis 3568
electrophoresis 3571
liquid chromatography 3568
application, surfactants 4576
control
weeds
lemons 4672
oranges 4672
interactions, surfactants 4576
meristems, maize 3207
mode of action, maize 3207
photosynthesis, maize 3207
properties, heat stability 1864
quality
lemons 4672
oranges 4672
residues
foods 1457
river water 3568
sediment 1864
tap water 3568
waste water 1457
water 3568
toxicity, rats 3599
water
pH 1457
photolysis 1457
temperature 1457
yields
lemons 4672
oranges 4672

Morocco
barley 41
faba beans
Avena sterilis 4210
Cuscuta 4208
fallow 4253
Oxalis pes-caprae 4171
Solanum elaeagnifolium 388
sugarbeet 3511
triticale 41, 4177
weed control
legumes 2854
Orobanche 2854, 2974
Orobanche crenata 2854
weeds
arable land 3957
Avena barbata 3986
Avena sterilis 3986
barley 3954
cereals 1402-1403
chickpeas 3954
ecology 3957
faba beans 3954
hosts of plant diseases 3986
Lathyrus articulatus 3950
legumes 2854
lentils 3954
maize 3954
Orobanche 2854, 2974
Orobanche crenata 2854
pest resistance 3986
plant communities 3957
sugarbeet 3510
surveys 499, 1402, 3510, 3950, 3954
Vicia sativa 3950
Vicia villosa 3950
weed associations 3957
wheat 499, 3954
wheat 41, 4172
Oxalis pes-caprae 4171
Morus australis
herbicides
nutrient uptake 4244
yields 4244
India 4244
Mountains
Caryophyllaceae, plant communities 2661
Fabaceae, plant communities 2661
MSMA
application date, *Agrostis stolonifera* 2094
application rates, *Agrostis stolonifera* 2094
bolls, cotton 203
control
Digitaria
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
Digitaria sanguinalis
Cynodon dactylon 357
Poa pratensis 2093
Eleusine indica
Cynodon dactylon 356-357
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356, 2093
Zoysia 356
Pennisetum clandestinum
lawns and turf 3381
Lolium perenne 3381
Poa pratensis 3381
Pharbitis hederacea, cotton 2516
Sporobolus indicus, Cynodon dactylon 2522
Trifolium repens
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
damage
Agrostis stolonifera 2094
Buchloe dactyloides 1615
cotton 203
Cynodon dactylon 356-357, 2522
MSMA *cont.*
damage *cont.*
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
fibres, cotton 203
fruiting, cotton 203
growth rate
Lolium perenne 3381
Poa pratensis 3381
interactions, herbicides 5107
quality, *Agrostis stolonifera* 2094
tolerance
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
yields, cotton 203, 2516
Mucuna
Brazil 1999
Rottboellia cochinchinensis, Costa Rica 1604
Mucuna aterrima, Brazil 1999
Mucuna pruriens, Benin 251
Muehlenbeckia, biology, identification 3482
Mung beans (*see Vigna radiata)*
Musa paradisiaca (*see* Bananas)
Musk melons (*see* melons)
Mycelis muralis
ecology
introduction 2674
invasion 2674
Mycin, dealanylasca- 1546
Mycoherbicides 382-383, 395, 399, 544, 562, 565, 567, 902, 1022-1023, 1445, 1561, 1567, 2018, 2877, 2891, 2898, 2919, 3016, 3108, 3115, 3221, 3288, 3992, 3994, 3999, 4224, 4254, 4433, 4440, 4442-4443, 4732, 4850, 4853, 5060
Myoporum platycarpum
Lysiana exocarpi
flowering 1275
fruits 1275
growth rate 1275
host parasite relationships 1275
leaves 1275
seed germination 1275
survival 1275
Myosotis arvensis
barley
plant competition 480
yields 480
cereals
distribution 3951
population density 3951
soil pH 3951
soil types 3951, 4809
surveys 4809
control, chemical control 4680
fallow
soil types 4809
surveys 4809
herbicides
application date 209
application rates 209
emergence 209
flowering 209
growth rate 209
seed germination 209
seed production 209, 1530
seed weight 1530
seeds, seed production 209
vegetables
distribution 3951
population density 3951
soil pH 3951
soil types 3951
wheat
growth rate 482
light 482
morphology 482
plant competition 480, 482
plant height 482
variety trials 482
yields 480
Myosurus minimus
biology
anatomy 1764
evolution 1764
leaves 1764
vascular system 1764
seeds
seed germination 1764
stratification 1764
Myriophyllum
ecology, population dynamics 1307
lakes, Poland 1307
Myriophyllum alterniflorum
biology, growth rate 2136
ecology
acidification 2136
habitats 4299
lakes, occurrence 4299
Myriophyllum exalbescens
biology
leaves 1706
morphology 1706
ecology
distribution 1706
habitats 1706
nutrient uptake 1706
Myriophyllum heterophyllum
biology
leaves 1706
morphology 1706
ecology
distribution 1706
habitats 1706
nutrient uptake 1706
Myriophyllum spicatum
biology
growth rate 1306
leaves 1706
metals 3863
morphology 1706
nutrient uptake 3863
photosynthesis 1716
senescence 3863
control, chemical control 1314
ecology
distribution 1706
habitats 1706, 1716
invasion 1306
nutrient availability 3863
nutrient uptake 1706
population density 1716
population dynamics 1306
temperature 1716
herbicides, damage 4062
lakes
plant communities 3863
surveys 1306
USA 1306
ponds, Canada 4062
water reservoirs
China 1716
temperature 2568
Myriophyllum verticillatum
biology
composition 4743
fatty acids 4743
glycolipids 4743
leaves 1706
lipids 4743
morphology 1706
phospholipids 4743
ecology
distribution 1706
habitats 1706
nutrient uptake 1706
NAA 1510, 1666-1667, 1757, 2343, 2552, 2996, 3673
Najas guadalupensis, control, chemical control 1314
Najas marina
ecology
algae 4741
epiphytes 4741
eutrophication 4741
habitats 1299
nutrient availability 1299, 4741
water quality 1299
weed associations 1299
Najas minor, control, chemical control 1314

Namibia
weeds
insects 3540
Solanum incanum 3540
Naphthalenes, 6-alkyl-1,2,3,4-tetrahydro-1,1-dimethyl- 4452
Naphthalic anhydride 195
Naphthalic anhydride, 1,8- 195
Naproanilide 1514, 3702
Napropamide
analytical methods
extraction 3561
fluorescence 3561
spectrometry 3561
application date, apples 4662
application rates
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
Vaccinium ashei 1222
Vaccinium vitis-idaea 1223
chlorophyll
Vaccinium ashei 1222
Vaccinium vitis-idaea 1223
control
Amaranthus retroflexus, apples 4662
Euphorbia maculata
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
Oxalis stricta
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
Setaria pumila, apples 4662
Sorghum halepense
apples 2495
peaches 2495
Stellaria media, apples 4662
weeds
apples 2495, 4662
broccoli 2489
buckwheat 294
Capsicum annuum 1638
Capsicum frutescens 1218
peaches 2495
strawberries 4226
Vaccinium vitis-idaea 1223
damage
apples 4662
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
lawns and turf 1242
Rudbeckia hirta 2098
Vaccinium ashei 1222
Vaccinium vitis-idaea 1223
economics, broccoli 2489
growth rate
apples 2495
peaches 2495
Vaccinium ashei 1222
interactions
herbicides 4662
salts 3561
surfactants 3561
residues, water 3561
tolerance
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
Vaccinium ashei 1222
yields
broccoli 2489
buckwheat 294
Capsicum annuum 1638
Capsicum frutescens 1218
Naptalam
control
Amaranthus palmeri, groundnuts 325
Amaranthus retroflexus, cucumbers 3811
Naptalam *cont.*
control *cont.*
Capsella bursa-pastoris, cucumbers 3811
Chamomilla suaveolens, cucumbers 3811
Lamium amplexicaule, cucumbers 3811
Lamium purpureum, cucumbers 3811
Panicum texanum, groundnuts 325
Polygonum persicaria, cucumbers 3811
Senecio vulgaris, cucumbers 3811
Sinapis arvensis, cucumbers 3811
Solanum sarrachoides, cucumbers 3811
interactions, herbicides 3811
tolerance, cucumbers 3811
variety trials, cucumbers 3811
yields
cucumbers 3811
groundnuts 325
Narcissus
Conyza canadensis, USA 2896
Digitaria sanguinalis, USA 2896
Euphorbia humistrata, USA 2896
herbicides
development 2896
flowering 2896
growth rate 2896
tolerance 2896
Nardus stricta, pastures, population dynamics 488
Narthecium ossifragum
toxicity
cattle 2906
sheep 2907
Nassella
biology
nomenclature 2192
taxonomy 2192
Nassella trichotoma
biology
growth rate 1801
temperature 1801
ecology
climate 1801
survival 1801
pastures, invasion 1801
rangelands, invasion 1801
National parks
Australia 6
Dipsacus sylvestris, USA 3495
Germany 2295
Hydrilla verticillata
growth rate 403
population dynamics 403
seasonal variation 403
temperature 403
India 403
Ipomoea aquatica
growth rate 403
population dynamics 403
seasonal variation 403
temperature 403
Paspalum distichum
growth rate 403
population dynamics 403
seasonal variation 403
temperature 403
Scirpus tuberosus
growth rate 403
population dynamics 403
seasonal variation 403
temperature 403
Nature reserves
Acacia longifolia, South Africa 360
Acacia saligna, South Africa 360
Phragmites australis, USA 3449
weeds, plant communities 3480
Neburon
analytical methods, chromatography 4576
application, surfactants 4576
interactions, surfactants 4576
resistance, *Alopecurus myosuroides* 1123
Nematicidal plants, as weeds 386, 424, 469, 481, 727, 771, 827, 836
Nematoda
control
Acroptilon 104
Centaurea 104
Nepal
flora 3486
weeds
distribution 3486
ecology 3486
rice 34
surveys 3486
taxonomy 3486
wheat 34
Nepeta cataria
ecology, rhizosphere 4935
utilization, bioremediation 4935
Neslia paniculata
biology
development 2606
growth rate 2606
plant height 2606
ecology, plant competition 2606
Netherlands
apples 3340
Chenopodium album 1167
Cynoglossum officinale 2540
ditch banks 1312
dunes, *Echium vulgare* 2160
Elymus repens 1167
Equisetum palustre 4784
fallow 973
fens, aquatic weeds 3438
Gladiolus, Cyperus esculentus 950
grasslands, *Cirsium arvense* 1443
heathlands
Calluna vulgaris 1379
Molinia caerulea 1379
hemp 334
herbicide residues
atmosphere 4874
groundwater 3666, 4884
research 2746
herbicides
application rates 243, 4601
aquatic organisms 4884
economics 4593
environmental impact 243, 4874, 4884
exposure 3712
fungi 4497
legislation 243
man 4891
ornamental bulbs 3712
Pteridophyta 4497
registration 243, 5003
soil fauna 4884
soil flora 4884
Spermatophyta 4497
toxicity 4891
tree fruits 4891
value added tax 1175
lakes
algae 4294
Phragmites australis 3868
Scirpus lacustris 3868
Lychnis flos-cuculi 4412
onions 2050
Phragmites australis 4784
ponds
Nymphaea alba 851
Scirpus maritimus 4302
potatoes 1177
rivers
Rumex maritimus 2144
Rumex palustris 2144
Rumex acetosa 2768
Rumex crispus 2768
Rumex maritimus 2768
Rumex palustris 2768
rye 327
Scutellaria galericulata 4784
Senecio jacobaea 1265
Sisymbrium officinale 1741, 1743
sugarbeet 327, 1177, 4587
Aethusa cynapium 330
Chenopodium album 3936
Galium aparine 330
Polygonum persicaria 3936
Stellaria media 3936
Tussilago farfara 2703
weed control
celery 770
conferences 3458
information 5011
integrated control 4601

Netherlands *cont.*
weed control *cont.*
parsley 770
weeds 4741
conferences 3458
Orobanche minor 2970
wheat 1177
as weeds 1167
New Caledonia, weed control, *Colocasia esculenta* 5080
New Zealand
Acacia melanoxylon 4240
apples 4222
Arctium lappa 1584
asparagus
as weeds 3454
Calystegia silvaticum 3337
Convolvulus arvensis 3337
Bromus willdenowii, Carduus nutans 3053
Carduus nutans 639
Chenopodium album 3903
Cirsium arvense 4135, 4310
Coriandrum sativum 4252
Cupressus lusitanica 4240
Cupressus macrocarpa 4240
Cytisus scoparius 2901
Dactylis glomerata, Carduus nutans 3053
Eucalyptus fastigata 4240
Festuca arundinacea, Carduus nutans 3053
grasslands, *Carduus nutans* 1786
Hemarthria altissima 4196
herbicide residues
foods 4035
fruits 4034
public health 4034-4035
public opinion 4035
toxicity 4034-4035
vegetables 4034
herbicides
application rates 4035
conferences 4317
Holcus lanatus, Carduus nutans 3053
lakes
algae 4308
aquatic weeds 4308
Lagarosiphon major 1303
legumes 4613
Limnanthes alba 4234
Lolium perenne 639, 755, 4195
Carduus nutans 3053
Cirsium arvense 5060
Lotus corniculatus 4203
lucerne 2460
Carduus nutans 3053
maize 3927, 4028, 4123
pastures 1411, 3927, 4197
Carduus nutans 1786, 4198
Digitaria sanguinalis 3938
Poa annua 3938
Senecio jacobaea 4265-4266
Phalaris aquatica, Carduus nutans 3053
Pinus radiata 347, 4240
planting stock 4240
Poa annua, Carduus nutans 3053
raspberries 1411
Senecio jacobaea 639
Sinapis alba 4196
Stipa neesiana 3961, 4309
Taraxacum officinale 4250
Trifolium pratense, Carduus nutans 3053
Trifolium repens 4, 639, 4195
Carduus nutans 1786, 3053
Cirsium arvense 5060
Trifolium subterraneum, Carduus nutans 3053
triticale 4162
Valeriana officinalis 4250
vegetables 1411
weed control
biological control 4705
conferences 4317
economics 1581
experimental equipment 1970
legislation 1581
Pinopsida 5114
Pinus radiata 354
roadsides 1970
steam 1970
Ulex europaeus 4705

New Zealand *cont.*
weeds
climate 1801
conferences 4317
Cytisus scoparius 4254, 4708
distribution 4708
forests 1410
fungi 4254
Hedychium gardnerianum 1410
honey 3977
Hydrilla verticillata 856
Nassella trichotoma 1801
nectar 3977
pastures 3945
surveys 3945
Ulex europaeus 4254
wheat 97, 734, 4613
Avena fatua 4162
Phalaris minor 4162
Phalaris paradoxa 4162
Zantedeschia albomaculata 4249
Nicandra physalodes
chickpeas, hosts of plant pests 4846
cowpeas, hosts of plant pests 4846
groundnuts, hosts of plant pests 4846
hosts, Nematoda 4846
maize, hosts of plant pests 4846
Phaseolus vulgaris, hosts of plant pests 4846
pigeon peas, hosts of plant pests 4846
soyabeans, hosts of plant pests 4846
tomatoes, hosts of plant pests 4846
Vigna subterranea, hosts of plant pests 4846
Nicosulfuron
adjuvants
Bromus inermis 4752
Dactylis glomerata 4752
Digitaria sanguinalis 4123
Festuca arundinacea 4752
lucerne, as weeds 4752
maize 2013, 3269, 4625
Panicum dichotomiflorum 4123
Phalaris arundinacea 4752
Phleum pratense 4752
Poa pratensis 4752
Setaria verticillata 4123
sugarcane 788
Trifolium pratense 4752
antagonism, maize 4625
application
antagonism 3710
environmental impact 869
synergism 3710
application date
Digitaria sanguinalis 4123
groundnuts 3357
maize 1190, 1578, 2008-2009, 2013, 3269, 3770, 4181, 5036-5037
Panicum dichotomiflorum 4123
Setaria verticillata 4123
sugarcane 788, 1229
application methods, maize 2008-2009, 3770
application rates
Digitaria sanguinalis 1811
groundnuts 3357
maize 1152, 1190, 2013, 3770, 4181
Setaria faberi 1811
sugarcane 788
binding sites
Amaranthus retroflexus 1147
Ambrosia artemisiifolia 1147
Avena fatua 1147
Digitaria ischaemum 1147
Panicum miliaceum 1147
bioassays, maize 1152
chemistry, chemical properties 291
chlorosis, maize 2388
control
Abutilon theophrasti 3237
Amaranthus retroflexus, maize 2013
Bromus inermis 4752
Chenopodium album 3237
Dactylis glomerata 4752
Digitaria sanguinalis 1811, 4123
maize 4625
Echinochloa crus-galli 3237
Elymus repens, maize 290, 1190
Eriochloa villosa, maize 4625
Festuca arundinacea 4752

Nicosulfuron *cont.*
control *cont.*
lucerne, as weeds 4752
Panicum dichotomiflorum 4123
maize 2430
Panicum miliaceum, maize 4625
Phalaris arundinacea 4752
Phleum pratense 4752
Poa pratensis 4752
Polygonum pensylvanicum, maize 2013
Rottboellia cochinchinensis, sugarcane 788
Setaria faberi 1811, 3237
maize 2013, 4625
Setaria verticillata 4123
Setaria viridis, maize 3269
Solanum carolinense, maize 1599
Sorghum halepense
maize 3270, 3273, 4181, 5036-5037
sugarcane 1229
Trifolium pratense 4752
weeds, maize 291, 2388, 2430, 3309, 3770-3771, 4123, 4626, 5037
cytochrome P-450, maize 4097
damage
groundnuts 3357
maize 289, 2008-2009, 2388, 3234, 3237, 3269, 4583, 4585, 4625
degradation, maize 1578, 4097, 4583
enzymes
Amaranthus retroflexus 1147
Ambrosia artemisiifolia 1147
Avena fatua 1147
Digitaria ischaemum 1147
maize 4097, 4583, 4585
Panicum miliaceum 1147
growth rate, maize 1578, 4585
high volume spraying, maize 5036
interactions
adjuvants 2013, 3269, 4123, 4625, 4752
fertilizers 4625
herbicides 1147, 3269, 3271, 3710, 4181, 4625-4626, 5037
insecticides 289, 1152, 1578, 2008, 3234, 3237, 4097, 4583, 4585
minerals 3624
pesticides 3710
safeners 3237
surfactants 4625
leaves, maize 2388
legislation, France 3770
low volume spraying, maize 5036
mixtures, maize 1190
mode of action 291, 3770
plant height, maize 2009, 2388
population density, *Solanum carolinense* 1599
properties, physical properties 291
rain, maize 3234
residual effects 291
soyabeans 3309
residues, soil 3624, 3770, 4585
resistance
Amaranthus retroflexus 1598
Ambrosia artemisiifolia 1598
Avena fatua 1598
Digitaria ischaemum 1598
Digitaria sanguinalis 1811
Panicum miliaceum 1598
Setaria faberi 1598, 1811
Setaria viridis 1598
safeners, maize 2388, 3237
selectivity, maize 291
soil
degradation 4585
organic matter 4585
persistence 3770, 4585
soil types 3624
sorption 3624
soil water, maize 2008
spot spraying, maize 5036
sugars, sugarcane 1229
surfactants, maize 4625
susceptibility, maize 3237
synergism, maize 4583, 4585
temperature, maize 3770

Nicosulfuron *cont.*
tolerance
maize 1152, 1578, 1598, 2009, 2388, 3237, 3271, 4097, 4583
soyabeans 1598
sugarcane 788
toxicity 291
translocation, maize 1578
uptake 291
maize 1578, 4097, 4585
variety trials
barley 1320
maize 2009, 2388, 3269, 3271
triticale 1320
wheat 1320
yield components, maize 2009
yields
groundnuts 3357
maize 289, 1190, 1599, 2008-2009, 2013, 2388, 3234, 3269-3271, 4181, 4625, 5037
sugarcane 788, 1229
Nicotiana alba
Borago officinalis
hosts of plant diseases 93
Spain 93
Brassica
hosts of plant diseases 93
Spain 93
Capsicum
hosts of plant diseases 93
Spain 93
chickpeas
hosts of plant diseases 93
Spain 93
cucumbers
hosts of plant diseases 93
Spain 93
faba beans
hosts of plant diseases 93
Spain 93
hosts, viruses 93
lucerne
hosts of plant diseases 93
Spain 93
maize
hosts of plant diseases 93
Spain 93
marrows
hosts of plant diseases 93
Spain 93
melons
hosts of plant diseases 93
Spain 93
Phaseolus vulgaris
hosts of plant diseases 93
Spain 93
Nicotiana attenuata
ecology
disturbed land 2166
fire effects 2166
genotype environment interaction 2166
seeds
scarification 2166
seed germination 2166
stimulants 2166
Nicotiana plumbaginifolia, biology, composition 373
Nicotiana rustica (*see* Tobacco)
Nicotiana tabacum (*see* Tobacco)
Niger
Pennisetum glaucum, as weeds 458
weed control, integrated control 4314
weeds, *Striga gesnerioides* 5161
Nigeria
Ageratum conyzoides 3186
bananas 249
cassava 95, 2425
cereals 4384
cotton 2083
cowpeas 447-448, 1629, 2007, 2083
Cyperus rotundus 3186
Echinochloa colonum 3186
herbicides
aquatic environment 2316
environmental impact 2316
usage 2316
maize 95, 447-448, 740, 2007, 2425, 4384
Striga hermonthica 1690
Nigeria *cont.*
melons 95
millets, *Striga hermonthica* 1690
Pennisetum purpureum 249
rice 1609, 3186
sorghum, *Striga hermonthica* 1690-1691
soyabeans 740
sweet potatoes 95
watermelons 2007
weeds
biological control 3111
Celosia argentea 4414
Celosia argentea var. *cristata* 4414
Celosia laxa 4414
Celosia trigyna 4414
Chromolaena odorata 3111
maize 4731
sorghum 4731
Striga 5160
Striga gesnerioides 5161
Striga hermonthica 4731
surveys 5160
yams 95
Nitrile herbicides
analytical methods, biosensors 575
chemistry, structure activity relationships 588
toxicity 588
mice 599
Nitrofen
control
Amaranthus, Gladiolus 3382
Chenopodium album, Gladiolus 3382
Commelina obliqua, Gladiolus 3382
Cynodon dactylon, Gladiolus 3382
Galinsoga parviflora, Gladiolus 3382
Oxalis latifolia, Gladiolus 3382
Pennisetum flaccidum, Gladiolus 3382
Pteridium, Gladiolus 3382
Rumex maritimus, Gladiolus 3382
Stellaria media, Gladiolus 3382
weeds
broccoli 5068
Capsicum annuum 774
Phaseolus vulgaris 5068
rice 2017
damage, rice 2017
nitrogen, rice 2017
nutrient uptake, rice 2017
residual effects
broccoli 5068
cucumbers 5068
Phaseolus vulgaris 5068
spinach 5068
yields
broccoli 5068
Capsicum annuum 774
cucumbers 5068
Phaseolus vulgaris 5068
rice 2017
spinach 5068
Nitrophenyl ether herbicides
enzymes 672, 3212
mode of action 672, 3212
oxidoreductases 3212
pigments 672
protoporphyrin 672, 3212
Nomor 4551
Norflurazon
analytical methods
bioassays 577
chromatography 4461
extraction 4009
HPLC 3124, 4461
ultraviolet spectroscopy 4461
application
adjuvants 4512
surfactants 4926
application date
Cynodon dactylon 2362
forests 3388
grapes 2057
rights of way 3388
roadsides 3388
application rates
grapes 2057
Lavandula angustifolia 1247
Origanum vulgare 1247
rosemary 1247
sage 1247
Norflurazon *cont.*
application rates *cont.*
Vaccinium ashei 1222
bioassays
Lolium 4512
lucerne 577
rape 1547
turnips 577
wheat 577
carotenoids 1942
cyanobacteria 2792
peas 669
chemistry
new products 1942
structure 1942
chlorophyll
Arabidopsis thaliana 3970
Cynodon dactylon 2362
peas 669
Pennisetum glaucum 670
Vaccinium ashei 1222
chloroplasts
peas 669
Pennisetum glaucum 670
chlorosis
Cynodon dactylon 2362
Pennisetum glaucum 670
composition
cyanobacteria 2792
Lagerstroemia fauriei × *L. indica* 3376
Viburnum utile 3376
control
Amaranthus hybridus 3389
Ambrosia artemisiifolia, roadsides 3389
carrots, as weeds, roadsides 3389
Cassia obtusifolia
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Quercus virginiana 3376
Viburnum utile 3376
Centaurea maculosa, roadsides 3389
Chenopodium album 3389
Cyperus esculentus 3389
Cyperus rotundus 2604
Eleusine indica
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Quercus virginiana 3376
Viburnum utile 3376
Lactuca serriola, roadsides 3389
Oenothera laciniata
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Quercus virginiana 3376
Viburnum utile 3376
Oxalis stricta 3389
parsnips, as weeds, roadsides 3389
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
Setaria faberi
grapes 3345
roadsides 3389
Sorghum halepense
apples 2495
peaches 2495
Taraxacum officinale 3389
roadsides 3389
weeds
apples 2495
cotton 2083, 3831
cowpeas 2083
grapes 779, 2057, 3345
peaches 2495
damage
almonds 3818
cotton 5106
Cynodon dactylon 2362

Norflurazon *cont.*
damage *cont.*
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lavandula angustifolia 1247
Origanum vulgare 1247
Pennisetum glaucum 670
rosemary 1247
sage 1247
Vaccinium ashei 1222
embryo culture, rape 1547
enzymes
algae 1533
cyanobacteria 1533, 2792
peas 669
Pennisetum glaucum 670
rape 1547
fatty acids, rape 1547
genetic transformation
algae 1533
cyanobacteria 1533
growth rate
apples 2495
Arabidopsis thaliana 3970
Lagerstroemia fauriei × *L. indica* 3376
Lavandula angustifolia 1247
Lolium 4512
Origanum vulgare 1247
peaches 2495
rice 2791
rosemary 1247
sage 1247
Vaccinium ashei 1222
Viburnum utile 3376
wheat 3690
hypocotyls, *Arabidopsis thaliana* 3970
interactions
herbicides 3376, 5106
insecticides 5106
legislation, Spain 3818
light
Arabidopsis thaliana 3970
Pennisetum glaucum 670
lipids, rape 1547
metabolism, rape 1547
mutants
Arabidopsis thaliana 3970
cyanobacteria 2792
oxidoreductases, peas 669
phosphorylase, *Pennisetum glaucum* 670
photosynthesis, peas 669
phytoene, cyanobacteria 2792
pigments 1942
Lagerstroemia fauriei × *L. indica* 3376
peas 669
Viburnum utile 3376
population density, *Cynodon dactylon* 2362
proline, wheat 3690
proteins, peas 669
residual effects
lucerne 577
turnips 577
wheat 577
residues
cotton 4009
groundwater 3140
soil 577, 1913, 3818, 4461, 4510-4512, 4926
soil water 4511
resistance
algae 1533
cyanobacteria 1533, 2792
seed germination
lucerne 577
olives 4953
turnips 577
wheat 577
seeds, cotton 4009
soil
leaching 4461, 4511-4512, 4926
movement 4512, 4926
persistence 4511
rain 1913, 4511
runoff 1913, 4510
soil types 577
soil water 4511
sorption 4512

Norflurazon *cont.*
tolerance
lucerne 577
turnips 577
Vaccinium ashei 1222
wheat 577
yields
cotton 2083, 5106
cowpeas 2083
North Africa
herbicide residues
occurrence 3577
pollution 3577
weeds, utilization 708
Norway
Alopecurus geniculatus 1722
cabbages 3720
Elymus repens 1161
fodder beet 3720
forests
Betula 4817
Sorbus aucuparia 4817
herbicide residues
aquatic organisms 579
atmosphere 2306
ecosystems 579
environmental impact 1073, 1077
fishes 1072
groundwater 579
lakes 1072-1073, 1077
leaching 1096
rain 2306
soil 579
surface water 579
toxicity 1072-1073, 1077
water pollution 1096
herbicides, marketing 2306
lakes, *Juncus bulbosus* 3865
maize 3720
onions 3720
pastures 488
Picea abies 5121
Betula 3839
Sorbus aucuparia 3839
woody weeds 3839
Poa annua 1722
weeds 451
Heracleum sphondylium 3947
Norway spruce (*see Picea abies*)
Nuphar lutea
biology
composition 4743
fatty acids 4743
glycolipids 4743
lipids 4743
phospholipids 4743
water reservoirs, population density 2568
Nymphaea, utilization, feeds 3434
Nymphaea alba
ecology
decomposition 851
pH 851
ponds, Netherlands 851
Nymphaea odorata
biology
chromium 1291
nutrient content 1291
zinc 1291
bogs
plant communities 5163
USA 5163
weed associations 5163
Canada 1291
Nymphaea stellata
rice
seasonal variation 3515
surveys 3515
Nymphaea tuberosa
biology
nomenclature 3009
taxonomy 3009
Nymphoides peltata
biology
chlorophyll 2143
chlorosis 2143
iron 2143
ecology, nutrient availability 2143
Nyssa sylvatica
control
chemical control 351, 820-821, 5137
physical control 351

Nyssa sylvatica *cont.*
forests, plant competition 821
herbicides
application date 820-821, 5137
carriers 820, 5137
economics 821
tree injection 821
Pinus taeda
growth rate 351
plant competition 351
plant height 351
yields 351
USA 5137
weed control, population density 3372
Oaks (*see Quercus*)
Oats (*Avena sativa*)
Abutilon theophrasti, USA 2602
as weeds
control
chemical control 272, 1630, 2215, 2382
integrated control 272
physical control 272
herbicides
adjuvants 2382
bioassays 2382
surfactants 2382
wheat
development 2215
France 2215
growth rate 2215
plant competition 2215
population density 2215
tillers 2215
yield components 2215
yields 2215
Australia 3905
Avena fatua
canopy 2658
growth rate 2658
hybridization 3197
leaf area 2658
plant competition 2658
population density 2658
sowing methods 2658
tillers 2658
USA 2658
Canada 1165, 1960, 5015
Chenopodium album
allelopathy 485
growth rate 485
population density 494
seed germination 485
surveys 494
Cirsium arvense
Poland 2212
yields 2212
Echinochloa crus-galli
plant competition 2824
yields 2824
Elymus repens
population density 494, 4399
surveys 494, 4399
Erysimum cheiranthoides
population density 494
surveys 494
Fallopia convolvulus, plant competition 4622
Finland 494
Fumaria officinalis
plant competition 4622
population density 494
surveys 494
Galeopsis
population density 494
surveys 494
Galeopsis tetrahit
population density 4399
surveys 4399
herbicides
acetyl-CoA carboxylase 677, 1947, 2372
adenosinetriphosphatase 195
adjuvants 1960, 2384
antagonism 1513, 1960
application date 2813
application methods 4134
application rates 937, 1601, 2813, 3741, 3768, 4500

Oats *cont.*
herbicides *cont.*
bioassays 632, 1165, 1451, 1463, 1466, 1910, 1960, 2293, 3129, 4101, 4500
carriers 2384
cell culture 1463
cell membranes 2372
cysteine 4560
cytology 217
damage 632, 1165, 1956, 2293, 2384, 3768, 4622
degradation 2372, 4560
deposition 4134
emergence 4622
enzymes 195, 677, 1947, 2372, 2376, 4560
fatty acids 1947, 2372
glutathione 4560
growth rate 632, 1165, 1463, 2372, 3761, 3764, 4101, 4500
light 1956, 1960, 3129
lipids 677, 2372
membrane permeability 677
membrane potential 195
microtubules 217
mitosis 217
mode of action 195, 217, 677, 2372
nozzles 4134
peroxidases 2376
pH 1956
plant diseases 3761
plant growth regulators 195
plant height 632
population dynamics 4622
residual effects 1601, 2293, 3764
roots 2372
safeners 4560
selectivity 3741
species diversity 494
susceptibility 4101
temperature 1956
tolerance 1601, 3741, 4560, 4622
transferases 4560
translocation 1513
ultraviolet radiation 1956
uptake 1466, 1513, 1956, 2372
yields 3755, 3761, 4612, 4622
Lamium amplexicaule, plant competition 4622
Lapsana communis
population density 494
surveys 494
Leucanthemum vulgare
population density 4399
surveys 4399
Lolium rigidum, Australia 3768
Onopordum
establishment 3905
flowering 3905
population dynamics 3905
seasonal variation 3905
seed banks 3905
Panicum capillare
plant competition 2824
yields 2824
Poland 560
Polygonum aviculare, plant competition 4622
Rumex acetosella
population density 4399
surveys 4399
Russia 3761
Setaria viridis, USA 2602
Slovenia 3764
Spain 4622
Spergula arvensis
population density 494, 4399
surveys 494, 4399
Stellaria media
Poland 296
population density 494, 4399
surveys 494, 4399
Sweden 4140, 4175-4176
Switzerland 4612
Urtica dioica, Poland 296
USA 2824, 5063
Viola arvensis
population density 494
surveys 494

Oats *cont.*
weed control
application date 3761, 4175
application methods 4176
damage 3761, 4176
growth rate 3761, 4175
plant diseases 3761
soil types 4176
yields 3761, 4175-4176, 4612
weeds
chemical control 2813, 3755, 3761, 4612
control 866
development 2216
distribution 2216
hosts of plant pests 560
phenology 2216
plant communities 2216
plant competition 937, 4622
soil types 494
soil water 494
species diversity 2216
surveys 494, 4399
Oats × ***Avena fatua***
herbicides
resistance 3197
tolerance 3197
Ocimum basilicum
control, chemical control 3719
Orobanche crenata, seed banks 761
seeds
light 893
seed germination 893
soil water 893
temperature 893
weed control
temperature 3719
transpiration 3719
yields 813
Odontites rubra
lucerne
growth rate 3427
host parasite relationships 3427
light 3427
nutrient availability 3427
plant competition 3427
roots 3427
OECD countries, herbicides, legislation 4993
Oenothera biennis
biology
plant diseases 543
temperature 543
Czech Republic 471
ecology, seasonal variation 1744
herbicides, yields 4680
hosts, fungi 543
Poland 4680
seeds
buried seeds 1744
light 1744
seed banks 1744
seed dormancy 1744
seed germination 1744
temperature 1744
viability 1744
weeds, occurrence 471
Oenothera laciniata
control, chemical control 3376, 5104
Ilex cornuta × *I. pernyi* × *I. latifolia,* USA 3376
Lagerstroemia fauriei × *L. indica,* USA 3376
ornamental plants, USA 3376
Quercus virginiana, USA 3376
Viburnum utile, USA 3376
Oenothera odorata, biology, antioxidants 3248
Oil palms (*Elaeis guineensis* and *E. oleifera*)
Ageratum conyzoides
emergence 3030
seed banks 3030
algae
epiphytes 1273-1274
host parasite relationships 1273-1274
Malaysia 1274
Asystasia gangetica
emergence 3030
seed banks 3030

Oil palms *cont.*
Borreria alata
emergence 3030
seed banks 3030
Chromolaena odorata, yields 4147
Cleome rutidosperma
emergence 3030
seed banks 3030
Cyperus rotundus
emergence 3030
seed banks 3030
herbicides
application rates 1227
damage 2063
plant succession 1227
Malaysia 1227, 2063, 3030
Oldenlandia herbacea
emergence 3030
seed banks 3030
Paspalum conjugatum
emergence 3030
seed banks 3030
weeds
integrated control 4154
invasion 1227
plant succession 1227
Oil plants
weeds
chemical control 4845
hosts of plant pests 4845
Oilseed plants
herbicides
degradation 1888
plant diseases 2338
residues 1888
selectivity 2487
tolerance 1132
Raphanus raphanistrum, chemical control 3034
weeds
control 5182
surveys 3064
Okras (*Abelmoschus esculentus*)
Amaranthus blitum, hosts of plant diseases 4433
Cassia tora, hosts of plant diseases 4433
herbicides
economics 4604
growth rate 1905
plant height 1905
residual effects 1905
seed germination 1905
yields 4604
India 1905, 4433, 4604
Lantana camara, hosts of plant diseases 4433
Parthenium hysterophorus, hosts of plant diseases 4433
Sesbania grandiflora, hosts of plant diseases 4433
USA 1219
weed control
economics 4604
yields 1219, 4604
weeds
chemical control 2410
plant competition 1219
Xanthium strumarium, hosts of plant diseases 4433
Olax phyllanthi
Acacia
composition 2122
host parasite relationships 2122
nutrient uptake 2122
xylem 2122
Australia 2122
biology
amino acids 2122, 2926
composition 2122, 2926
enzymes 2122
glutamate-ammonia ligase 2122
nitrate reductase 2122
nutrient uptake 2122
roots 2122
translocation 2122
xylem 2122
ecology, host parasite relationships 2122, 2926
Oldenlandia affinis, sugarcane, surveys 4389

Oldenlandia corymbosa
biology
emergence 4339
flowering 4339
fruiting 4339
phenology 4339
cereals
population dynamics 4384
soil fertility 4384
maize
population dynamics 4384
soil fertility 4384
seeds, seed dispersal 4339
Oldenlandia herbacea
control, cultural control 3030
Hevea brasiliensis
emergence 3030
seed banks 3030
oil palms
emergence 3030
seed banks 3030
seeds, seed germination 3030
Olea europaea (*see* Olives)
Olives (*Olea europaea*)
herbicides
application methods 2494, 2500
application rates 2406, 2494
composition 2879
fats 2879
growth rate 2348
seed germination 4953
selectivity 2348
yields 2879
Jordan 5087
Spain 2879
Viscum cruciatum
host parasite relationships 3420
Spain 3420
weed control
branches 5087
composition 2879
damage 2879
fats 2879
stems 5087
yields 2879
weeds
chemical control 2233, 5181
integrated control 5190
Onions (*Allium cepa*)
Amaranthus retroflexus
hosts of plant pests 96
plant competition 3718
Amaranthus spinosus
allelopathy 3059
growth rate 3059
plant height 3059
seed germination 3059
Bangladesh 3930
Chenopodium album
allelopathy 485
Denmark 3808
growth rate 485
plant competition 3718
seed germination 485
Chrysanthemum, hosts of plant pests 96
Czech Republic 652, 4218
Datura stramonium, hosts of plant pests 96
Digitaria sanguinalis, plant competition 3718
Echinochloa crus-galli, plant competition 3718
Emilia sonchifolia, hosts of plant pests 96
Eupatorium trapezoideum
allelopathy 2342
growth rate 2342
seed germination 2342
Euphorbia dentata
occurrence 1803
seed contamination 1803
France 4988, 5081
Galinsoga parviflora, hosts of plant pests 96
herbicides
adjuvants 4654
application date 315, 1636, 2050, 3809
application methods 2050
application rates 3809, 4654
bioassays 1486
Onions *cont.*
herbicides *cont.*
chromosome aberrations 1474
damage 1486, 2486, 4654
enzymes 1474
genetics 1474
growth rate 1486, 2488, 4655
mutations 1474
quality 652
rain 2486
seed germination 652
seed production 652
tolerance 315
yields 652, 1636, 2488, 3332, 3801, 4218, 4654-4655
Hydrocotyle umbellata, hosts of plant pests 96
India 1634, 2488, 4365, 4655
Italy 3718
Kochia scoparia
allelopathy 3059
growth rate 3059
plant height 3059
seed germination 3059
Netherlands 2050
Norway 3720
Poland 720, 1635-1636, 4654
Portugal 5016
Portulaca oleracea
hosts of plant pests 96
plant competition 3718
Romania 3332
Sinapis arvensis, Denmark 3808
Solanum nigrum, plant competition 3718
Sonchus asper, hosts of plant pests 96
Spain 2486-2487
Stellaria media, Denmark 3808
Sweden 3807
Switzerland 3722
UK 315
Ukraine 3809
weed control
application date 3718, 3807-3808, 5081
application equipment 3720
beneficial insects 3722
damage 3807
economics 3718
labour requirements 3808
yields 3807-3808, 5016
weeds
bulbs 3930
chemical control 721, 1548, 1635-1636, 2050, 2410, 3801, 4153, 4218
control 1588, 1634, 2807
nutrient content 4365
nutrient uptake 4365
plant competition 720, 3930, 4365
population density 4365
soil water 720
yields 3930
Onobrychis sativa (*see Onobrychis viciifolia*)
Onobrychis viciifolia
herbicides
damage 1622
plant height 1622
yields 1622
USA 1622
weeds, plant competition 1622
Onoclea sensibilis
hosts, bacteria 2704
rice, hosts of plant diseases 2704
Onopordum
oats
establishment 3905
flowering 3905
population dynamics 3905
seasonal variation 3905
seed banks 3905
pastures
establishment 3905
population dynamics 3905
seasonal variation 3905
seed banks 3905
seeds
seed banks 3905
seed dormancy 3905
seed production 3905
Onopordum acanthium
biology
cotyledons 2189
identification 2189
morphology 889
seeds
imbibition 889
plant growth regulators 889
seed dormancy 889
seed germination 889, 4768
seed morphology 2189
seed size 2189
seed weight 889, 2189
Spain 889
Onopordum acaulon
biology
composition 3531
sesquiterpenes 3531
Onopordum illyricum
biology, reproduction 4336
ecology, invasion 4336
hosts, insects 4841
Onopordum nervosum
biology
cotyledons 2189
identification 2189
seeds
seed morphology 2189
seed size 2189
seed weight 2189
Opuntia dillenii
biology
nastic movements 4422
stamens 4422
Opuntia elatior, control, biological control 3993
Opuntia ficus-indica
biology
exudation 999
mucilages 999
photosynthates 999
root hairs 999
roots 993, 999
stems 993
temperature 993
translocation 999
transpiration 993
water relations 993
water stress 999
ecology
soil water 993, 999
temperature 993
water relations 999
Opuntia fragilis
control
biological control 1392
cultural control 1392
grasslands
growth rate 1392
light 1392
plant competition 1392
shading 1392
USA 1392
Opuntia polyacantha
biology
roots 993
stems 993
temperature 993
transpiration 993
water relations 993
control, physical control 1173
ecology
soil water 993
temperature 993
utilization, feeds 1173
Opuntia stricta
biology
carbon dioxide 4439
carbon pathways 4439
photosynthesis 4439
control, biological control 4439
Oranges (*Citrus sinensis*)
Brazil 4502, 4670
herbicides
quality 4672
yields 4672
USA 4672
weed control
application date 4670
labour requirements 4669
quality 4672

Oranges *cont.*
weed control *cont.*
yields 4670, 4672
Orchards, weeds, chemical control 1548, 1969
Organophosphorus herbicides
amidase
Echinochloa colonum 3220
rice 3220
analytical methods
biosensors 575
chromatography 3567
extraction 2719
gas chromatography 2719, 3567, 4456
liquid chromatography 3567
sampling 4456
chemistry
polarity 4000
structure 589, 4000
enzymes
Echinochloa colonum 3220
rice 3220
residues
atmosphere 4456
fruit crops 3567
fruits 3567
soil 1494, 1883, 2719
soil
bacteria 1494
biodegradation 1494
enzymes 1494
Rhizobium 1494
toxicity
mammals 4890
man 589
Origanum vulgare
biology
carbon pathways 508
growth rate 508
photosynthesis 508
roots 508
transpiration 508
water relations 508
herbicides
application date 1247
damage 1247
growth rate 1247
Ornamental bulbs, herbicides, application methods 3712
Ornamental plants
as weeds 502, 819
Cassia obtusifolia, USA 3376
Eleusine indica, USA 3376
herbicides
application methods 2379
damage 3376
environmental impact 2379
safety 2379
selectivity 2487
Oenothera laciniata, USA 3376
Taiwan 102
UK 318
weeds
chemical control 2379, 3374
control 4319
hosts of plant diseases 102
Ornamental woody plants
USA 2409
weeds
chemical control 2409, 3374
identification 3026
Ornithogalum umbellatum
Conyza canadensis, USA 2896
Digitaria sanguinalis, USA 2896
Euphorbia humistrata, USA 2896
herbicides
development 2896
flowering 2896
growth rate 2896
tolerance 2896
Orobanche
aubergines
damage 2933
host parasite relationships 2933
biology 2854
amino acids 2983
anatomy 2940
carbohydrates 3458
chloroplasts 2939
composition 2943-2944
Orobanche *cont.*
biology *cont.*
development 3425, 3458, 4277
enzymes 1682, 2938
evolution 2938, 2991
gene expression 2939
genes 2939
genetic variation 2938-2939, 3421, 3458
genetics 2939
glycosides 2943
growth rate 3425, 3458
host parasite relationships 2983
identification 2943-2944, 2966, 3892
keys 2942
leucine 2983
life cycle 4277
mannitol 1682
metabolism 1682
morphology 2550, 2934, 2938, 2941, 2943-2944
photosynthesis 2939
pollen 2550, 2941
polyphenols 2944
respiration 2983
taxonomy 2550, 2934, 2941-2945, 2966, 2974, 3425, 3458
water relations 2936
Brassica
damage 2933
host parasite relationships 2933
carrots
damage 2933
host parasite relationships 2933
celery
damage 2933
host parasite relationships 2933
control 2933, 2940, 2979, 3424-3425
biological control 2967, 2978, 2982, 3458, 3892
chemical control 1628, 2859, 2967, 2974, 2978, 2980, 2982, 3458, 3892
cultural control 1628, 2859, 2957, 2967, 2978, 2980, 2982, 3421, 3458, 3892
integrated control 2859, 2974, 2976, 2978, 2982, 3458
physical control 2967, 2977-2978, 2980, 2982, 3892
Cucurbita
damage 2933
host parasite relationships 2933
ecology
biotypes 2936, 2938
distribution 2945, 2966, 2974, 2979, 3425, 3458, 4277
establishment 2966, 3425
habit 3892
host parasite relationships 2936, 2940, 2945, 2974, 2976-2977, 2979-2980, 2982, 2986, 3423-3424, 3458, 3892, 4277
invasion 2977
nutrient uptake 4277
origin 4277
phenology 2986
population dynamics 3425
soil water 4277
spread 2977, 3458
surveys 2945, 2966
economics, control 2854
Egypt 3421
faba beans
damage 2978
distribution 3458
Egypt 2957
fruiting 2957
growth rate 2957
host parasite relationships 2859, 2957, 2978, 3458
resistance 2957
yields 2957
flax
seed germination 2956
stimulants 2956
forests, host parasite relationships 3892
legumes
economic thresholds 2859
host parasite relationships 2854, 2859
resistance 2854
Orobanche *cont.*
legumes *cont.*
yields 2859
lentils
damage 2933
host parasite relationships 2859, 2933
peas
damage 2933
host parasite relationships 1628, 2859, 2933
Italy 1628
yields 1628
potatoes
damage 2933
host parasite relationships 2933
safflower
damage 2933
host parasite relationships 2933
seeds
imbibition 2983
plant growth regulators 2936
proteins 2983
seed banks 2859
seed dormancy 2927, 3425
seed germination 2927-2929, 2936, 2982-2983, 3421-3423, 3425, 3458, 4277
seed morphology 2942
stimulants 2928-2929, 2936, 2983, 3422
temperature 2927
testas 2942
viability 2983
Spain 3421
sunflowers
cell walls 2951
enzymes 2951
esterases 2951
host parasite relationships 2951
pectins 2951
penetration 2951
Syria 3421
tobacco
cell walls 2950
economics 2081
growth rate 2081
host parasite relationships 2081, 2944, 2950
nutrient availability 2081
penetration 2950
proteins 2950
tomatoes
host parasite relationships 2956
plant growth regulators 2956
roots 2956
Orobanche aegyptiaca
biology
callus 2551
cellulase 2952
composition 1685, 2551
DNA 2947
enzymes 2551, 2952
exudates 2952
laccase 2952
lipids 1685
nucleic acids 2947
peroxidase 2952
proteins 2952
respiration 2947
RNA 2947
roots 2952
starch 1685
tissue culture 2551
control 2933
biological control 2877
chemical control 2867, 2932, 2964
cultural control 2867
integrated control 2867, 2964
physical control 2964
ecology
distribution 2934
host parasite relationships 1685, 2551
faba beans
host parasite relationships 2948
root exudates 2948
seed germination 2948
flax
bioassays 2964
host parasite relationships 2964
herbicides, seed germination 2964
Israel 2964

Orobanche aegyptiaca *cont.*
maize
host parasite relationships 2948
root exudates 2948
seed germination 2948
seeds
proteins 2947
seed germination 1685, 2551, 2947, 2952
stimulants 2947
tobacco
economics 2933
host parasite relationships 2933, 2948
root exudates 2948
seed germination 2948
tomatoes
development 2867
economics 2933
host parasite relationships 2867, 2932-2933, 2948
Israel 2867
resistance 2932
root exudates 2948
seed germination 2948
translocation 2932
Orobanche baumanniorum
biology, identification 394
Pterocephalus perennis
Greece 394
host parasite relationships 394
Orobanche cernua
biology
life cycle 2890
plant diseases 5159
control 2933, 2972
biological control 5159
chemical control 1643, 2890, 3421
cultural control 2890, 3421
integrated control 2890, 3421
physical control 2801, 2890, 2963
ecology
biotypes 3421
distribution 2934, 2973
host parasite relationships 2973
population dynamics 3421
seasonal variation 2890
soil water 2890
temperature 2890
Helianthus
host parasite relationships 2961
resistance 2961
variety trials 2961
hosts, fungi 5159
seeds
seed germination 2890, 2963
viability 2890
sunflowers
distribution 2549
economics 2933
host parasite relationships 1643, 2549, 2933, 2959, 2961-2962, 2972, 2989
resistance 2959, 2961-2962, 2989
Spain 1643, 2549, 2989
spread 2549, 2972
variety trials 2961
tobacco
abscission 2890
economics 2933
growth rate 2890
host parasite relationships 2801, 2890, 2933, 5159
India 2890, 5159
invasion 2890
leaves 2890
quality 2890
resistance 2890
water relations 2890
yields 2890
tomatoes
economics 2933
host parasite relationships 2933
Orobanche crenata
barley
host parasite relationships 2975
seed banks 761
Syria 2975
biology 2854
composition 4276
glycosides 4276
reproduction 2975

Orobanche crenata *cont.*
chickpeas
host parasite relationships 2852
seed banks 761
control 2933, 2972
chemical control 2856-2858, 3421
cultural control 761, 1686, 2852-2853, 2855-2856, 2858, 2930, 2975
integrated control 2856, 2858, 3421
Coriandrum sativum, seed banks 761
Cuminum cyminum, seed banks 761
ecology
biotypes 3421
distribution 2858, 2934, 2973
host parasite relationships 2973
nitrogen 2930
nutrient availability 2930
population dynamics 3421
seasonal variation 1684
economics, control 2854
faba beans
carbohydrates 2937
composition 2937
economics 2933
Egypt 1686, 2856, 2958
flowering 2953
growth rate 2937
host parasite relationships 2852-2853, 2855-2858, 2933, 2948, 2953, 2955, 2958-2960, 2965, 2975, 2985, 3421
necrosis 2953
penetration 2953
photosynthesis 2937
plant competition 2953
population density 2853
radiation 2937
rain 2937
resistance 2953, 2955, 2958-2960, 2985, 3421
respiration 2937
ripening 2953
root exudates 2855, 2948, 2985
seed banks 761
seed germination 2855, 2948, 2985
Spain 2853, 2960
Syria 2975
variety trials 2953, 2958, 2960
water relations 2937
yields 2858, 2937, 2955, 2958-2959
fallow
seed banks 761
Syria 2975
fenugreek
host parasite relationships 2855
root exudates 2855
seed germination 2855
herbicides
anatomy 2965
dry matter distribution 2965
flowers 2965
morphology 2965
plant height 2965
legumes
economic thresholds 2859
host parasite relationships 2854, 2858-2859
resistance 2854
yields 2858-2859
lentils
host parasite relationships 2852, 2975
seed banks 761
Syria 2975
linseed, seed banks 761
maize
host parasite relationships 2948
root exudates 2948
seed germination 2948
Medicago, host parasite relationships 2852
Ocimum basilicum, seed banks 761
peas
growth rate 761
host parasite relationships 761, 2852
seed banks 761
yields 761
Phaseolus vulgaris, seed banks 761
seeds
buried seeds 1684
moisture 1684

Orobanche crenata *cont.*
seeds *cont.*
pH 2949
seed banks 2853, 2859, 2958, 2975
seed dormancy 1684, 2927
seed germination 1278, 1684, 2927, 2930, 2949, 3421
seed production 2975
stimulants 1278, 1684, 1686, 2930
temperature 1684, 2927
viability 2930
sesame
host parasite relationships 2975
Syria 2975
soyabeans
host parasite relationships 2852
resistance 2852
Spain 1684
Syria 1684
tobacco
host parasite relationships 2948
root exudates 2948
seed germination 2948
tomatoes
host parasite relationships 2948
root exudates 2948
seed germination 2948
Trifolium alexandrinum
host parasite relationships 2855, 2857
root exudates 2855
seed banks 761
seed germination 2855
USA 2930
Vicia narbonensis
host parasite relationships 2984
phloem 2984
seed banks 761
sieve elements 2984
vascular system 2984
water relations 2984
Vicia sativa
host parasite relationships 2959
resistance 2959
yields 2959
Vicia villosa, seed banks 761
Vigna radiata, seed banks 761
wheat
host parasite relationships 2975
Syria 2975
Orobanche cumana
biology
callus 2551
composition 1685, 2551
development 2971
enzymes 2551
genetic variation 2946
lipids 1685
morphology 2971
starch 1685
tissue culture 2551
carrots, host parasite relationships 2877
control
biological control 2877
cultural control 2876
integrated control 2876
ecology, host parasite relationships 1685, 2551
maize, host parasite relationships 2877
seeds
seed banks 2876
seed germination 1685, 2551
sunflowers
Bulgaria 2877, 2946
cell walls 2990
cytology 2954
enzymes 2990
Germany 2876
growth rate 2954
host parasite relationships 2876-2878, 2946, 2954, 2971, 2981, 2990
Israel 2878
lignification 2990
peroxidase 2990
plant diseases 2954
resistance 2876, 2878, 2954, 2971, 2990
roots 2990
seasonal variation 2878
seed germination 2876
seeds 2946
temperature 2878

Orobanche cumana *cont.*
sunflowers *cont.*
Turkey 2876
variety trials 2876, 2971, 2981
yields 2971
tobacco
host parasite relationships 2877, 2981
variety trials 2981
tomatoes, host parasite relationships 2877
wheat, host parasite relationships 2877
Orobanche foetida
control
chemical control 2858
cultural control 2858
integrated control 2858
ecology, distribution 2858
faba beans
host parasite relationships 2858, 2955
resistance 2955
yields 2858, 2955
legumes
host parasite relationships 2858
yields 2858
Orobanche hederae
biology
carbon 1683
chlorophyll 1683
enzymes 1683
genes 1683
genetic variation 1683
photosynthesis 1683
proteins 1683
ribulose-bisphosphate carboxylase 1683
Orobanche minor
arable land, population density 2970
biology, plant growth regulators 1277
control 2935
chemical control 2969
ecology
distribution 2934, 2969
host parasite relationships 2969
grasslands, population density 2970
seeds
light 2935
plant growth regulators 2935
seed germination 2935
stimulants 2935
Trifolium pratense
host parasite relationships 2935, 2970
population density 2970
root exudates 2935
seed germination 2935
Trifolium repens
composition 1277
host parasite relationships 1277
Orobanche mutelii
biology
composition 2944
identification 2944
morphology 2944
polyphenols 2944
taxonomy 2944
control, biological control 2891
seeds, seed germination 2891
tobacco
Bulgaria 2891
host parasite relationships 2891, 2944
Orobanche ramosa
biology
composition 2944
identification 2944
morphology 2944
polyphenols 2944
taxonomy 2944
control 2933, 2968, 2972
biological control 2877, 2891
chemical control 2969
cultural control 2851, 2866
ecology
distribution 2934, 2968-2969, 2973
emergence 2851
host parasite relationships 2968-2969, 2973
introduction 2934
invasion 2934
photoperiodism 2851
spread 2934
faba beans, host parasite relationships 2851
lentils, host parasite relationships 2851
Orobanche ramosa *cont.*
peas, host parasite relationships 2851
seeds
buried seeds 2851
seed germination 2891, 2968
soil depth 2851
sunflowers
host parasite relationships 2981
variety trials 2981
tobacco
Bulgaria 2891
economics 2933
host parasite relationships 2891, 2933, 2944, 2981
variety trials 2981
tomatoes
economics 2933
fertilizers 2866
growth rate 2931
host parasite relationships 2866, 2931, 2933
resistance 2931
roots 2931
Turkey 2866
yields 2931
weed control
emergence 2866
growth rate 2866
Orontium, utilization, feeds 3434
Oryza perennis
biology
biomass 2572
growth rate 2572
ecology, plant communities 2572
Oryza sativa (*see* Rice)
Oryzalin
adenosinetriphosphatase, maize 4965
application date
forests 3388
grapes 2057
rights of way 3388
roadsides 3388
application rates
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Cynodon transvaalensis × *C. dactylon* 3377
Echinacea purpurea 2098
Festuca arundinacea 3377
Gaillardia aristata 2098
grapes 2057
Rudbeckia hirta 2098
Vaccinium ashei 1222
Vaccinium vitis-idaea 1223
binding sites, tobacco 1529
cell growth, tobacco 1529
chlorophyll
Vaccinium ashei 1222
Vaccinium vitis-idaea 1223
control
Cassia obtusifolia
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Quercus virginiana 3376
Viburnum utile 3376
Conyza canadensis
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Cyperus iria
Gardenia jasminoides 5123
Juniperus 5123
Liriope 5123
Rhododendron 5123
Trachelospermum asiaticum 5123
Digitaria sanguinalis
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Gardenia jasminoides 5123
Hemerocallis 2896
Iris germanica 2896
Oryzalin *cont.*
control *cont.*
Digitaria sanguinalis cont.
Juniperus 5123
Lilium 2896
Liriope 5123
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Rhododendron 5123
Trachelospermum asiaticum 5123
Eleusine indica
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Quercus virginiana 3376
Viburnum utile 3376
Euphorbia humistrata
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Euphorbia maculata
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Gardenia jasminoides 5123
Juniperus 5123
Liriope 5123
Rhododendron 5123
Rudbeckia hirta 2098
Trachelospermum asiaticum 5123
Mollugo verticillata
Gardenia jasminoides 5123
Juniperus 5123
Liriope 5123
Rhododendron 5123
Trachelospermum asiaticum 5123
Oenothera laciniata
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Quercus virginiana 3376
Viburnum utile 3376
Oxalis stricta
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
Phyllanthus
Gardenia jasminoides 5123
Juniperus 5123
Liriope 5123
Rhododendron 5123
Trachelospermum asiaticum 5123
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
Sorghum halepense
apples 2495
peaches 2495
weeds
apples 2495, 5085
Gardenia jasminoides 1129
grapes 779, 2057
peaches 2495
Rhododendron obtusum 1129
Vaccinium vitis-idaea 1223
Zantedeschia albomaculata 4249
cuttings
Gardenia jasminoides 1129
Rhododendron obtusum 1129
cytology, oats 217
damage
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Gardenia jasminoides 5123

Oryzalin *cont.*
damage *cont.*
Ilex cornuta × *I. pernyi* × *I. latifolia* 3376
Juniperus 5123
Lagerstroemia fauriei × *L. indica* 3376
lawns and turf 1242
Liriope 5123
ornamental plants 3376
Quercus virginiana 3376
Rhododendron 5123
Rudbeckia hirta 2098
Trachelospermum asiaticum 5123
Vaccinium ashei 1222
Vaccinium vitis-idaea 1223
Viburnum utile 3376
development
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
enzymes, maize 4965
flowering
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
growth rate
Allium sphaerocephalon 2896
apples 2495, 5085
Canna 2896
Crocosmia crocosmiiflora 2896
Cynodon transvaalensis × *C. dactylon* 3377
Equisetum arvense 1526
Festuca arundinacea 3377
Gardenia jasminoides 1129
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
peaches 2495
Rhododendron obtusum 1129
Vaccinium ashei 1222
interactions, herbicides 3376, 5123
microsomes, maize 4965
microtubules
oats 217
tobacco 1529
mitosis, oats 217
mode of action, oats 217
morphogenesis, *Equisetum arvense* 1526
nutrient availability, apples 5085
plasma membranes, maize 4965
polymerization, tobacco 1529
population density
Cynodon transvaalensis × *C. dactylon* 3377
Festuca arundinacea 3377
proton pump, maize 4965
residues
growing media 1491
sediment 2732
soil 626, 1491
soil water 626
water 2732
rooting
Gardenia jasminoides 1129
Rhododendron obtusum 1129
roots
Gardenia jasminoides 1129
maize 4965
Rhododendron obtusum 1129
shoots
Cynodon transvaalensis × *C. dactylon* 3377
Festuca arundinacea 3377

Oryzalin *cont.*
soil
irrigation 626, 1491
leaching 1491
movement 626, 1491
runoff 626, 1491, 2732
sorption 1491
tolerance
Allium sphaerocephalon 2896
Canna 2896
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Crocosmia crocosmiiflora 2896
Echinacea purpurea 2098
Gaillardia aristata 2098
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Rudbeckia hirta 2098
Vaccinium ashei 1222
tonoplast, maize 4965
toxicity, mice 1529
tubers, *Zantedeschia albomaculata* 4249
tubulin, tobacco 1529
yields
apples 5085
Zantedeschia albomaculata 4249
Ostrya virginiana
control, chemical control 820-821, 5137
forests, plant competition 821
herbicides
application date 820-821, 5137
carriers 820, 5137
economics 821
tree injection 821
USA 5137
Osyris
biology
enzymes 1682
mannitol 1682
metabolism 1682
Ottelia alismoides
biology
carotenoids 2147
chlorophyll 2147
composition 2147
proteins 2147
senescence 2147
stomata 2147
Ottochloa arnotiana
Capsicum frutescens
control 3496
Indonesia 3496
plant competition 3496
Ottochloa nodosa
control 43
chemical control 1227
Hevea brasiliensis
budding 43
plant competition 43
Oxadiazon
application date
Agrostis stolonifera 2094
forests 3388
rice 1609, 4192
rights of way 3388
roadsides 3388
soyabeans 1213
application rates
Agrostis stolonifera 2094
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Cynodon transvaalensis × *C. dactylon* 3377
Echinacea purpurea 2098
Festuca 3378
Festuca arundinacea 3377
Gaillardia aristata 2098
Lolium perenne 3378
Poa pratensis 3378
Rudbeckia hirta 2098
soyabeans 3799
bioassays, algae 3682
climate, rice 4192
control
Ageratum conyzoides, soyabeans 3799
Alisma, rice 4192

Oxadiazon *cont.*
control *cont.*
Anagallis arvensis
chickpeas 764
Indian mustard 4233
aquatic weeds, rice 4192
Borreria articularis, soyabeans 3799
Chenopodium album
chickpeas 764
Indian mustard 4233
chicory, as weeds, Indian mustard 4233
Cynodon dactylon
Indian mustard 4233
soyabeans 1213, 3799
Cyperus difformis, rice 1609
Cyperus esculentus
Coreopsis lanceolata 1248
Echinacea purpurea 1248
Gaillardia aristata 1248
Leucanthemum vulgare 1248
Cyperus iria
Gardenia jasminoides 5123
Juniperus 5123
Liriope 5123
Rhododendron 5123
Trachelospermum asiaticum 5123
Cyperus rotundus
Indian mustard 4233
soyabeans 3799
Dactyloctenium aegyptium, soyabeans 3799
Digitaria ciliaris
Indian mustard 4233
soyabeans 3799
Digitaria debilis, rice 1609
Digitaria ischaemum
Festuca 3378
Lolium perenne 3378
Poa pratensis 3378
Digitaria sanguinalis
Cynodon dactylon 1241
Festuca arundinacea 1241
Gardenia jasminoides 5123
Juniperus 5123
Liriope 5123
Poa pratensis 2093
Rhododendron 5123
Trachelospermum asiaticum 5123
Echinochloa, rice 2444
Echinochloa colonum
rice 1202
soyabeans 1213
Echinochloa crus-galli, rice 752, 1202
Eclipta alba
Coreopsis lanceolata 1248
Echinacea purpurea 1248
Gaillardia aristata 1248
Leucanthemum vulgare 1248
Eleusine indica, *Poa pratensis* 2093
Euphorbia maculata
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Gardenia jasminoides 5123
Juniperus 5123
Liriope 5123
Rhododendron 5123
Rudbeckia hirta 2098
Trachelospermum asiaticum 5123
Heteranthera, rice 4192
Heteranthera limosa, rice 752
Heteranthera reniformis, rice 752
Hymenachne amplexicaulis, rice 1198
Leptochloa caerulescens, rice 1609
Leptochloa fascicularis 3452
rice 1202
Leptochloa filiformis 3452
Ludwigia, rice 1609
Medicago polymorpha, Indian mustard 4233
Melilotus alba, Indian mustard 4233
Mollugo verticillata
Gardenia jasminoides 5123
Juniperus 5123
Liriope 5123
Rhododendron 5123
Trachelospermum asiaticum 5123

Oxadiazon *cont.*
control *cont.*
Oxalis stricta
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
Panicum, soyabeans 3799
Paspalum distichum, Indian mustard 4233
Phalaris minor
chickpeas 764
Indian mustard 4233
Phyllanthus
Gardenia jasminoides 5123
Juniperus 5123
Liriope 5123
Rhododendron 5123
Trachelospermum asiaticum 5123
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
Portulaca oleracea, Indian mustard 4233
Rumex dentatus
chickpeas 764
Indian mustard 4233
Spergula arvensis, Indian mustard 4233
Sphenoclea zeylanica, rice 1609
Trichodesma indicum, soyabeans 3799
Trifolium fragiferum, Indian mustard 4233
Vicia sativa, chickpeas 764
weeds
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
groundnuts 2881
Indian mustard 4233
okras 4604
onions 2488
peas 4604
Phaseolus 4604
radishes 4604
rice 1198, 1200, 2027, 2448, 3296, 4192, 5041, 5053
soyabeans 758, 1213
tomatoes 4604
damage
Agrostis stolonifera 2094
Chrysanthemum superbum 2098
Coreopsis lanceolata 1248, 2098
Echinacea purpurea 1248, 2098
Festuca arundinacea 3377
Gaillardia aristata 1248, 2098
Gardenia jasminoides 5123
Juniperus 5123
lawns and turf 1242
Leucanthemum vulgare 1248
Liriope 5123
Rhododendron 5123
rice 1198, 1609
Rudbeckia hirta 2098
soyabeans 1213, 3799
Stenotaphrum secundatum 4103
Trachelospermum asiaticum 5123
economics
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
rice 1609
soyabeans 3799
tomatoes 4604
energy cost of activities, soyabeans 3799
flowering
Coreopsis lanceolata 1248
Echinacea purpurea 1248
Gaillardia aristata 1248
Leucanthemum vulgare 1248
formulations
granules 2448
Oxadiazon *cont.*
formulations *cont.*
suspensions 2448
growth, *Mikania micrantha* 3684
growth rate
algae 3682
Cynodon transvaalensis × *C. dactylon* 3377
onions 2488
Stenotaphrum secundatum 4103
interactions, herbicides 752, 2027, 4192
nutrient uptake, rice 5053
population density, *Cynodon transvaalensis* × *C. dactylon* 3377
population dynamics
Ageratum conyzoides 3799
Borreria articularis 3799
Cynodon dactylon 3799
Cyperus rotundus 3799
Dactyloctenium aegyptium 3799
Digitaria ciliaris 3799
Panicum 3799
Trichodesma indicum 3799
quality, *Agrostis stolonifera* 2094
residual effects
Acanthospermum hispidum 4604
Cynodon dactylon 4604
Cyperus iria 4604
Cyperus rotundus 4604
Euphorbia 4604
Lagascea mollis 4604
Mollugo pentaphylla 4604
Portulaca oleracea 4604
residues
river water 3682
soil 1082, 4604
roots, *Stenotaphrum secundatum* 4103
seed germination, *Mikania micrantha* 3684
shoots, *Cynodon transvaalensis* × *C. dactylon* 3377
soil
leaching 1082
persistence 1082, 4604
photolysis 1082
sorption 1082
volatilization 1082
surfactants, soyabeans 1213
tolerance
Chrysanthemum superbum 2098
Coreopsis lanceolata 1248, 2098
Echinacea purpurea 1248, 2098
Festuca arundinacea 3377
Gaillardia aristata 1248, 2098
garlic 3331
Leucanthemum vulgare 1248
Rudbeckia hirta 2098
yields
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
chickpeas 764
Indian mustard 4233
okras 4604
onions 2488
peas 4604
Phaseolus 4604
radishes 4604
rice 1200, 1609, 2027, 3296, 5041, 5053
soyabeans 758, 1213, 3799
tomatoes 4604
Oxalis acetosella
biology
callose 1842
chlorophyll 1431
chloroplasts 1431
leaves 1431
light 1431
photosynthesis 1431
ecology
acidification 1842
calcium 1842
liming 1842
nutrient availability 1842
Picea abies, Germany 1842
Oxalis cernua *(see Oxalis pes-caprae)*
Oxalis corniculata
control
chemical control 4650
Oxalis corniculata *cont.*
control *cont.*
physical control 4650
herbicides, nutrient uptake 4650
Oxalis latifolia
control 3746
chemical control 3382
maize
flowering 2225
fruiting 2225
life cycle 2225
population dynamics 2225
soyabeans
control 1779
India 1779
plant competition 1779
yields 1779
Oxalis pes-caprae
biology
bulbs 8
roots 8
shoots 8
vegetative propagation 8
control, chemical control 4171
fallow, Morocco 4171
herbicides
application date 4171
application rates 4171
bulbs 4171
population density 4171
roots 4171
wheat, Morocco 4171
Oxalis stricta
control
chemical control 2098, 3389
integrated control 3389
physical control 3389
Oxamate, *N*-hydroxy-*N*-isopropyl 4559
Oxyfluorfen
anatomy, rice 2446
application date
forests 3388
grapes 2057
Populus deltoides 343
rights of way 3388
roadsides 3388
application rates
bananas 2406
cereals 2406
Citrus 2406
Cynodon transvaalensis × *C. dactylon* 3377
fallow 2406
Festuca arundinacea 3377
grapes 2057, 2406
olives 2406
Populus deltoides 343
soyabeans 3799
sunflowers 2406
tree fruits 2406
Vigna radiata 2478
binding sites, maize 2363
branching, *Vigna radiata* 2478
cell culture
soyabeans 2344
tobacco 673
cell membranes, maize 2363
cell suspensions, soyabeans 1128
chemistry, photolysis 3555
chlorophyll, tobacco 673
control
Ageratum conyzoides
groundnuts 4232
Morus australis 4244
potatoes 4650
soyabeans 3799
Agrostis capillaris
Festuca 3304
grasslands 3304
Amaranthus hybridus
broccoli 3334
cabbages 3334
cauliflowers 3334
Chinese cabbages 3334
Amaranthus viridis
groundnuts 4232
Morus australis 4244
potatoes 3322
Ambrosia artemisiifolia, potatoes 4651

Oxyfluorfen *cont.*
control *cont.*
Anagallis arvensis
Indian mustard 4233
potatoes 4650
Borreria articularis, soyabeans 3799
Brunnichia ovata, cotton 5104
Cassia obtusifolia
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Quercus virginiana 3376
Viburnum utile 3376
Celosia argentea, groundnuts 4232
Chenopodium album
Indian mustard 4233
potatoes 3326, 4650
chicory, as weeds, Indian mustard 4233
Cleome monophylla, potatoes 3322
Cleome viscosa, groundnuts 2501
Commelina benghalensis
Morus australis 4244
potatoes 3322
Convolvulus
bananas 2406
cereals 2406
Citrus 2406
fallow 2406
grapes 2406
olives 2406
sunflowers 2406
tree fruits 2406
Coronopus didymus, potatoes 3326
Cosmos bipinnatus, potatoes 4651
Cynodon dactylon
groundnuts 2501
Indian mustard 4233
Morus australis 4244
potatoes 4650-4651
soyabeans 2464, 3799
Cyperus difformis, rice 4191
Cyperus iria
groundnuts 4232
rice 4191
Cyperus rotundus 2604
groundnuts 2501, 4232
Indian mustard 4233
Morus australis 4244
potatoes 3322, 3326, 4650-4651
soyabeans 2464, 3799
Dactylis glomerata
Festuca 3304
grasslands 3304
Dactyloctenium aegyptium, soyabeans 3799
Digera arvensis
groundnuts 2501
soyabeans 2464
Digitaria ciliaris
Indian mustard 4233
Morus australis 4244
soyabeans 3799
Digitaria cruciata, potatoes 4651
Digitaria marginata, potatoes 3322
Echinochloa colonum
groundnuts 4232
potatoes 3322, 4651
rice 4191
soyabeans 2464
Echinochloa crus-galli, rice 4191
Eleusine indica
groundnuts 2501, 4232
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Quercus virginiana 3376
Viburnum utile 3376
Erodium
bananas 2406
cereals 2406
Citrus 2406
fallow 2406
grapes 2406
olives 2406
sunflowers 2406
tree fruits 2406

Oxyfluorfen *cont.*
control *cont.*
Euphorbia hirta, groundnuts 2501
Fagopyrum cymosum, potatoes 4651
Fumaria parviflora, potatoes 4650
Geranium
bananas 2406
cereals 2406
Citrus 2406
fallow 2406
grapes 2406
olives 2406
sunflowers 2406
tree fruits 2406
Geranium nepalense, potatoes 4651
Gnaphalium indicum, potatoes 4650
Gnaphalium luteo-album, potatoes 4651
Leptochloa chinensis, rice 4191
Lolium perenne 1619
Festuca 3304
grasslands 1618, 3304
seed crops 1618
Ludwigia adscendens, rice 4191
Malva
bananas 2406
cereals 2406
Citrus 2406
fallow 2406
grapes 2406
olives 2406
sunflowers 2406
tree fruits 2406
Marsilea quadrifolia, rice 4191
Medicago polymorpha, Indian mustard 4233
Melilotus alba
Indian mustard 4233
potatoes 4650
Melilotus indica, potatoes 3326
Oenothera laciniata
cotton 5104
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Quercus virginiana 3376
Viburnum utile 3376
Oxalis corniculata, potatoes 4650
Panicum, soyabeans 3799
Panicum dichotomiflorum, cotton 5104
Panicum repens, rice 4191
Paspalum dilatatum, groundnuts 4232
Paspalum distichum, Indian mustard 4233
Phalaris minor, Indian mustard 4233
Pharbitis hederacea, cotton 5104
Phyllanthus niruri
groundnuts 2501
soyabeans 2464
Poa annua, potatoes 3326
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
Portulaca oleracea, Indian mustard 4233
Rumex, potatoes 3326
Rumex dentatus, Indian mustard 4233
Setaria pumila, groundnuts 4232
Solanum khasianum, potatoes 3322
Solanum nigrum, potatoes 4650
Sorghum halepense
apples 2495
peaches 2495
Spergula arvensis
Indian mustard 4233
potatoes 3326, 4651
Trianthema portulacastrum, groundnuts 4232
Trichodesma indicum, soyabeans 3799
Trifolium fragiferum, Indian mustard 4233
Urtica
bananas 2406
cereals 2406
Citrus 2406
fallow 2406

Oxyfluorfen *cont.*
control *cont.*
Urtica cont.
grapes 2406
olives 2406
sunflowers 2406
tree fruits 2406
Vulpia myuros
Festuca 3304
grasslands 3304
weeds
Amaranthus 4604
apples 2495
aubergines 3332
beetroots 4604
broccoli 2489, 3334
cabbages 3334, 4604
Capsicum 3332
cauliflowers 3334, 4604
Chinese cabbages 3334
cotton 5104
Festuca 3304
Gardenia jasminoides 1129
garlic 2049
grapes 2057
grasslands 3304
groundnuts 3354
Indian mustard 4233
leeks 3330
maize 2000
okras 4604
onions 2486, 2488, 3332
peaches 2495
peas 4604
Phaseolus 4604
pigeon peas 4213
Pinus taeda 350
Populus deltoides 343
potatoes 2481
radishes 4604
Rhododendron obtusum 1129
rice 1200, 2446, 4191
soyabeans 2848
sunflowers 5090
tea 3359
tomatoes 3332, 4604
Vigna radiata 2478
cuttings
Gardenia jasminoides 1129
Rhododendron obtusum 1129
damage
broccoli 3334
cabbages 3334
cauliflowers 3334
Chinese cabbages 3334
cotton 5104
Festuca 3304
grasslands 3304
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Populus deltoides 343
soyabeans 3799
degradation
buckwheat 2771
cabbages 2771
cucumbers 2771
Echinochloa crus-galli 2771
maize 2771
radishes 2771
rice 2771
sorghum 2771
soyabeans 2344
tomatoes 2771
economics
Amaranthus 4604
beetroots 4604
broccoli 2489
cabbages 4604
cauliflowers 4604
groundnuts 4232
okras 4604
peas 4604
Phaseolus 4604
potatoes 2481, 4651
radishes 4604
soyabeans 3799
tomatoes 4604
energy cost of activities, soyabeans 3799
enzymes
maize 2363
soyabeans 1541

Oxyfluorfen *cont.*
enzymes *cont.*
tobacco 673, 4113
establishment, *Eucalyptus grandis* 641
etioplasts, tobacco 4113
formulations, granules 2406
growth rate
apples 2495
Cynodon transvaalensis × *C. dactylon* 3377
Festuca arundinacea 3377
Gardenia jasminoides 1129
onions 2488
peaches 2495
Pinus taeda 350
Rhododendron obtusum 1129
soyabeans 1128, 1541
Vigna radiata 2478
interactions, herbicides 2446, 3304, 3376, 5104
leaf area index, *Vigna radiata* 2478
legislation, Spain 2406
light
soyabeans 1541
tobacco 673, 4113
membranes, tobacco 4113
mitochondria, tobacco 4113
mode of action, tobacco 4113
mycorrhizas, *Eucalyptus grandis* 640-641
nutrient uptake
Ageratum conyzoides 4244, 4650
Amaranthus viridis 4244
Ambrosia artemisiifolia 4651
Anagallis arvensis 4650
Chenopodium album 4650
Commelina benghalensis 4244
Cosmos bipinnatus 4651
Cynodon dactylon 4244, 4650-4651
Cyperus difformis 4191
Cyperus iria 4191
Cyperus rotundus 4244, 4650-4651
Digitaria ciliaris 4244
Digitaria cruciata 4651
Echinochloa colonum 4191, 4651
Echinochloa crus-galli 4191
Fagopyrum cymosum 4651
Fumaria parviflora 4650
Geranium nepalense 4651
Gnaphalium indicum 4650
Gnaphalium luteo-album 4651
Leptochloa chinensis 4191
Ludwigia adscendens 4191
Marsilea quadrifolia 4191
Melilotus alba 4650
Morus australis 4244
Oxalis corniculata 4650
Panicum repens 4191
potatoes 4650
Solanum nigrum 4650
Spergula arvensis 4651
oxidoreductases, maize 2363
peroxidases, tobacco 673
pH, tobacco 4113
plant height, *Pinus taeda* 350
population density
Cynodon transvaalensis × *C. dactylon* 3377
Festuca arundinacea 3377
population dynamics
Ageratum conyzoides 3799
Borreria articularis 3799
Cynodon dactylon 3799
Cyperus rotundus 3799
Dactyloctenium aegyptium 3799
Digitaria ciliaris 3799
Panicum 3799
Trichodesma indicum 3799
protoporphyrin
maize 2363
soyabeans 1541
tobacco 4113
registration, Spain 2406
residual effects
Acanthospermum hispidum 4604
Cynodon dactylon 4604
Cyperus iria 4604
Cyperus rotundus 4604
Euphorbia 4604
Lagascea mollis 4604
Mollugo pentaphylla 4604
Portulaca oleracea 4604

Oxyfluorfen *cont.*
residues
cabbages 3142
groundnuts 3142
potatoes 3142
sediment 142, 2732
soil 626, 3142, 3334, 3555, 4604, 4938
soil water 626
water 142, 2732
resistance, *Lolium rigidum* 983
rooting
Gardenia jasminoides 1129
Rhododendron obtusum 1129
roots
Gardenia jasminoides 1129
Rhododendron obtusum 1129
seed production
grasslands 1618
Lolium perenne 1619
seed crops 1618
sunflowers 5090
Vigna radiata 2478
selectivity
buckwheat 2771
cabbages 2771
cucumbers 2771
Echinochloa crus-galli 2771
maize 2771
radishes 2771
rice 2446, 2771
sorghum 2771
tomatoes 2771
shoots
Cynodon transvaalensis × *C. dactylon* 3377
Festuca arundinacea 3377
soil
Actinomycetales 4938
bacteria 4938
fungi 4938
irrigation 626
movement 626
mycorrhizal fungi 640
mycorrhizas 640-641
organic matter 3334
persistence 4604
photolysis 3555
runoff 626, 2732
soil flora 4938
soil water, soyabeans 2848
survival, *Pinus taeda* 350
tolerance
buckwheat 2771
cabbages 2771
cucumbers 2771
maize 2771
radishes 2771
rice 2771
sorghum 2771
soyabeans 1128, 1541, 2344
tobacco 673
tomatoes 2771
translocation
buckwheat 2771
cabbages 2771
cucumbers 2771
Echinochloa crus-galli 2771
maize 2771
radishes 2771
rice 2771
sorghum 2771
tomatoes 2771
tubers, potatoes 3322, 3326, 4650
uptake
buckwheat 2771
cabbages 2771
cucumbers 2771
Echinochloa crus-galli 2771
maize 2771
radishes 2771
rice 2771
sorghum 2771
soyabeans 2344
tomatoes 2771
yield components
groundnuts 4232
rice 4191
Vigna radiata 2478
yields
Amaranthus 4604

Oxyfluorfen *cont.*
yields *cont.*
aubergines 3332
beetroots 4604
broccoli 2489, 3334
cabbages 3334, 4604
Capsicum 3332
cauliflowers 3334, 4604
Chinese cabbages 3334
Festuca 3304
garlic 2049
grasslands 1618, 3304
groundnuts 2501, 3354, 4232
Indian mustard 4233
leeks 3330
Lolium perenne 1619
maize 2000
Morus australis 4244
okras 4604
onions 2488, 3332
peas 4604
Phaseolus 4604
pigeon peas 4213
potatoes 2481, 3322, 3326, 4650-4651
radishes 4604
rice 1200, 4191
seed crops 1618
soyabeans 2464, 3799
sunflowers 5090
tomatoes 3332, 4604
Vigna radiata 2478
Oxytropis, toxicity, livestock 3402, 3851
Oxytropis sericea
biology
composition 3403
toxins 3403
herbicides
degradation 2910
selectivity 2910
translocation 2910
uptake 2910
toxicity
cattle 3403
livestock 2910
sheep 3403
Pacific Islands
weeds
Cassia obtusifolia 4780
Cassia tora 4780
Paclobutrazol 675, 1108, 1116, 2339, 2567, 3841
Paeonia
Conyza canadensis, USA 2896
Digitaria sanguinalis, USA 2896
Euphorbia humistrata, USA 2896
herbicides
development 2896
flowering 2896
growth rate 2896
tolerance 2896
Pak-choi (*see* Chinese cabbages)
Pakistan
Celosia argentea 2705
maize 1191
Solanum nigrum 2545
soyabeans
Cynodon dactylon 1213
Echinochloa colonum 1213
sugarcane 1230, 1651
weeds
Hydrilla verticillata 856
maize 957
rice 34
wheat 34
wheat 281, 1992
Panama, weeds, *Hydrilla verticillata* 856
Panicum
control
chemical control 3799, 4205
cultural control 4205
physical control 3799, 4205
herbicides, population dynamics 3799
Russia 746
weed control, population dynamics 3799
Panicum bisulcatum, utilization, medicinal plants 3248
Panicum capillare
barley
plant competition 2824
yields 2824

Panicum capillare *cont.*
biology
flowers 4347
identification 4347
morphology 4347
phenotypes 4347
variation 4347
control
chemical control 2824
cultural control 2824
ecology
habit 4347
rhizosphere 4935
oats
plant competition 2824
yields 2824
potatoes
nutrient uptake 936
plant competition 936
yields 936
utilization, bioremediation 4935
wheat
plant competition 2824
yields 2824
Panicum colonum *(see Echinochloa colonum)*
Panicum crus-galli *(see Echinochloa crus-galli)*
Panicum decompositum
fallow
population dynamics 1795
surveys 1795
sorghum
population dynamics 1795
surveys 1795
Panicum dichotomiflorum
control
chemical control 2357, 2430, 4123, 5104
cultural control 2430, 4364
integrated control 2430
physical control 2430
ecology
biotypes 2357, 4548
plant competition 4364
herbicides
adjuvants 4123
application date 4123
chlorophyll 4548
chloroplasts 4548
degradation 2357, 4548
growth rate 2357
photosynthesis 2357, 4548
resistance 2357, 4548
translocation 4548
uptake 4548
maize
Spain 2357, 4548
USA 2430
seeds, seed predation 4364
Vicia villosa, USA 2430
Panicum maximum
control
chemical control 340
cultural control 340
physical control 340
Eucalyptus torelliana, Brazil 340
herbicides
rain 1573
surfactants 1573
maize, Brazil 340
USA 1573
Panicum miliaceum
biology
emergence 858
growth 2673
control, chemical control 4625
ecology
distribution 2673
population dynamics 858
spread 2673
herbicides
binding sites 1147
enzymes 1147
resistance 1598
maize, occurrence 2673
potatoes, occurrence 2673
soyabeans
Italy 1210
population density 1210
yields 1210

Panicum miliaceum *cont.*
Striga
host parasite relationships 2995
root exudates 2995
seed germination 2995
stimulants 2995
Striga asiatica
host parasite relationships 2995
root exudates 2995
seed germination 2995
stimulants 2995
sugarbeet, occurrence 2673
Panicum ramosum
control
chemical control 4631
integrated control 4631
physical control 4631
rice
plant competition 4631
yields 4631
Panicum repens
control
chemical control 4191
physical control 4191
herbicides
nitrogen 4191
nutrient uptake 4191
weed control
nitrogen 4191
nutrient uptake 4191
Panicum schinzii
control, chemical control 4311
herbicides
adjuvants 4311
application date 4311
South Africa 4311
Panicum texanum
control
chemical control 325, 4582, 4679
integrated control 4679
physical control 4679
groundnuts
plant competition 325
USA 325, 4679
yields 325
herbicides, application date 4582
Panicum virgatum
herbicides
damage 3792
plant height 3792
seeds
plant growth regulators 442
scarification 442
seed germination 442
seed treatment 442
storage 442
temperature 442
USA 3792
Papaver, control, chemical control 2498
Papaver argemone
barley, seed germination 2158
rye, seed germination 2158
seeds
light 2158
seed dormancy 2158
seed germination 2158
storage 2158
Papaver rhoeas
barley
nutrient content 38
plant competition 38, 41
quality 38
yields 38
biology
transpiration 469
water relations 469
cereals, surveys 974
control
chemical control 272
integrated control 272
physical control 272
ecology
drought 469
habitats 2669
sugarbeet, surveys 3511
triticale, plant competition 41
wheat
nutrient content 38
plant competition 38, 41
quality 38
yields 38

Papaver somniferum, biology, protoplasts 1344
Papua New Guinea
Mimosa invisa 5144
sweet potatoes 3328
weeds, *Hydrilla verticillata* 856
Paraquat
adenosinetriphosphatase, peas 3205
adjuvants, sugarcane 788
analytical methods
extraction 1464
gas liquid chromatography 120
HPLC 4018
immunoassay 1043
liquid chromatography 4018, 4464
mass spectrometry 120, 4018
nuclear magnetic resonance 1039
specific ion electrodes 4466
spectrophotometry 1039, 1464, 3573
spectroscopy 1464
application
application rates 2313, 3671
containers 2313
disposal 868
packaging 2313
risk assessment 1889
safety 1889, 2313
sprayers 4893
surfactants 1057
application date
bananas 4228
cereals 3753
forests 3388
grapes 3345
groundnuts 1648
maize 3268
Populus deltoides 343
potatoes 313
rights of way 3388
roadsides 3388
sesame 1649
sorghum 2434
soyabeans 2471
sugarbeet 794
sugarcane 788
wheat 3753
application methods
apples 3341
potatoes 313
application rates
fallow 4253
Hevea 4692
maize 3265, 3274
Populus deltoides 343
potatoes 313
sorghum 2434
soyabeans 2471, 3265
sugarcane 788
wheat 3265
bioassays
peas 3205
Vigna mungo 3453
Vigna radiata 3453
buds, grapes 320
calcium 4968
carriers, *Chromolaena odorata* 4566
catalase, wheat 4115
cell membranes 194
wheat 675
chemistry
binding 1039
degradation 120
chlorophyll, tobacco 3196
chloroplasts 194
Lolium perenne 1543
chromosome aberrations
faba beans 1474
onions 1474
composition
groundnuts 1535
peas 3205
pomegranates 3350
sugarcane 2883
control
Acanthospermum hispidum, groundnuts 2503
Ageratum conyzoides
Hevea brasiliensis 1227
oil palms 1227
Amaranthus, Gladiolus 3382
Amaranthus hybridus, sorghum 2435

Paraquat *cont.*
control *cont.*
Amaranthus palmeri, groundnuts 325
Ambrosia artemisiifolia
groundnuts 2880
potatoes 4651
sorghum 2435
Anoda cristata, groundnuts 2880
Asystasia gangetica
Hevea brasiliensis 1227
oil palms 1227
Axonopus compressus
Hevea brasiliensis 1227
oil palms 1227
Borreria latifolia
Hevea brasiliensis 1227
oil palms 1227
Bromus diandrus, *Trifolium subterraneum* 1209
Bromus tectorum, wheat 2458
Brunnichia ovata, cotton 5104
Capsella bursa-pastoris, *Coriandrum sativum* 4252
Cassia obtusifolia
sorghum 2435
soyabeans 2471
Cassia occidentalis, groundnuts 2503
Cerastium glomeratum, lucerne 2460
Chenopodium album
Coriandrum sativum 4252
Gladiolus 3382
groundnuts 1648, 2880
lentils 4185
potatoes 3326
sorghum 2435
Commelina obliqua, *Gladiolus* 3382
Convolvulus arvensis, *Coriandrum sativum* 4252
Conyza canadensis, sorghum 2435
Coronilla varia, maize 3268
Coronopus didymus
lucerne 2460
potatoes 3326
Cosmos bipinnatus, potatoes 4651
Croton lobatus, *Hevea* 4692
Cynodon dactylon
Gladiolus 3382
potatoes 4651
Cyperus esculentus, groundnuts 2503
Cyperus rotundus 3453
groundnuts 2503
lentils 4185
potatoes 3326, 4651
Datura stramonium, groundnuts 2503
Desmodium tortuosum, groundnuts 2503
Digitaria cruciata, potatoes 4651
Digitaria insularis, *Hevea* 4692
Digitaria sanguinalis, sorghum 2435
Echinochloa colonum
lentils 4185
potatoes 4651
Echinochloa crus-galli
lentils 4185
soyabeans 2036
Eclipta prostrata, groundnuts 1648
Erechtites valerianifolia
Hevea brasiliensis 1227
oil palms 1227
Eupatorium trapezoideum 3455
Fagopyrum cymosum, potatoes 4651
Festuca arundinacea 2032
Galinsoga parviflora, *Gladiolus* 3382
Geranium nepalense, potatoes 4651
Gnaphalium luteo-album, potatoes 4651
Hordeum murinum subsp. *leporinum*, *Trifolium subterraneum* 1209
Ipomoea, groundnuts 1648
Ipomoea lacunosa
groundnuts 2880
soyabeans 2036, 2471, 3796
Jacquemontia tamnifolia, groundnuts 2503
Kochia scoparia, sorghum 2434
Lamium purpureum, *Coriandrum sativum* 4252
Lolium rigidum, *Trifolium subterraneum* 1209
Melilotus indica, potatoes 3326
Mikania micrantha 1515

Paraquat *cont.*
control *cont.*
Mikania micrantha cont.
Hevea brasiliensis 1227
oil palms 1227
Oenothera laciniata, cotton 5104
Ottochloa nodosa
Hevea brasiliensis 1227
oil palms 1227
Oxalis latifolia, *Gladiolus* 3382
Panicum dichotomiflorum, cotton 5104
Panicum texanum, groundnuts 325
Paspalum conjugatum
Hevea brasiliensis 1227
oil palms 1227
Pennisetum flaccidum, *Gladiolus* 3382
Pharbitis hederacea
cotton 5104
groundnuts 2880
soyabeans 2036
Poa annua
lucerne 2460
potatoes 3326
Poaceae, *Trifolium subterraneum* 1209
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
Pteridium, *Gladiolus* 3382
Rottboellia cochinchinensis
fallow 286
maize 286
Phaseolus 286
sugarcane 788
Rumex, potatoes 3326
Rumex maritimus, *Gladiolus* 3382
Rumex obtusifolius, lucerne 2460
Saccharum spontaneum, pineapples 2059
Senna obtusifolia, soyabeans 3796
Sesbania exaltata, soyabeans 2036
Setaria faberi, grapes 3345
Sida spinosa
groundnuts 1648, 2503, 2880
soyabeans 2036
Sorghum halepense
apples 2495
peaches 2495
Spergula arvensis, potatoes 3326, 4651
Stellaria media, *Gladiolus* 3382
Striga hermonthica, sorghum 1606
Taraxacum officinale, lucerne 2460
Trifolium repens, lucerne 2460
Vulpia bromoides, *Trifolium subterraneum* 1209
Vulpia myuros, *Trifolium subterraneum* 1209
Wedelia paludosa, *Hevea* 4692
weeds
apples 2495
bananas 4228
Capsicum frutescens 1218
cereals 3753
cherries 1221
Coriandrum sativum 4252
cotton 5104
cowpeas 1629
fallow 270, 4253
fenugreek 2526
forests 607
grapes 3345, 3814
Hemarthria altissima 4196
lentils 4185
linseed 321
Lotus corniculatus 4203
lucerne 3306, 5063
maize 101, 743, 2429, 3265, 3274
peaches 2495
pomegranates 3347-3350
Populus deltoides 343
potatoes 313, 2048
rice 4815
sorghum 729
soyabeans 2429, 3265
sugarbeet 4587
sugarcane 2883
tea 796

Paraquat *cont.*
control *cont.*
weeds *cont.*
wheat 729, 3265, 3753
Xanthium strumarium
groundnuts 2503
sorghum 2435
cross resistance, *Conyza canadensis* 3209
cytochrome *c* 4958
damage
apples 1931, 3341
bananas 4228
Conyza bonariensis 4967
cotton 5104
Gladiolus 3382
groundnuts 2502-2503
Hemarthria altissima 4196
Hevea 4692
Lolium perenne 1543
oil palms 2063
Phaseolus vulgaris 4967
Populus deltoides 343
Vigna mungo 3453
Vigna radiata 3453
wheat 675
desiccation
Chromolaena odorata 4572
sesame 1649
economics
bananas 4228
groundnuts 2880
lentils 4185
lucerne 3306
potatoes 4651
sorghum 729
wheat 729
electron transfer 4958
energy relations
maize 3265
soyabeans 3265
wheat 3265
enzymes 194, 4958
Conyza canadensis 2373
cyanobacteria 1149
faba beans 1474
Lolium perenne 1543
onions 1474
peas 3205
tobacco 3196
wheat 675
establishment, *Lotus corniculatus* 4203
exudates, *Chromolaena odorata* 4566
fatty acids, groundnuts 1535
ferredoxin 4958
flowering, pomegranates 3349
fruits
apples 3341
grapes 4163
pomegranates 3349-3350
genetics 4958
faba beans 1474
onions 1474
glutathione reductase (NAD(P)H)
peas 3205
tobacco 3196
wheat 4115
growth, grapes 320
growth rate
apples 1931, 2495, 3341
Coriandrum sativum 4252
cyanobacteria 1149
groundnuts 654
maize 3268
peaches 2495
pomegranates 3350
tea 796
Vigna mungo 3453
Vigna radiata 3453
wheat 675
interactions
adjuvants 1164, 3453
carriers 4566
fertilizers 4253
fungicides 1535, 2892
herbicides 1209, 1535, 2503, 3453, 4019, 4692, 4892, 5104
insecticides 4019
nematicides 4019
plant growth regulators 4019, 4115
iron, peas 3205

Paraquat *cont.*
leaves
Chromolaena odorata 4566, 4572
Conyza 650
pomegranates 3347-3348
sugarbeet 4163
wheat 4163
legislation, Mexico 2313
light
Chromolaena odorata 4566, 4572
Lolium perenne 1543
Mikania micrantha 1515
lipids, peas 3205
magnesium, groundnuts 1535
membrane permeability, tobacco 3196
membrane potential
oats 195
wheat 195
membranes 4968
Chromolaena odorata 4566
wheat 4115
mode of action 194, 313, 4968
oats 195
wheat 195
mutations
faba beans 1474
onions 1474
mycorrhizas, apples 1931
nontarget effects, Acari 3814
nucleic acids, groundnuts 654
nutrient content
groundnuts 1535
pomegranates 3347-3348
nutrient uptake
Ambrosia artemisiifolia 4651
Cosmos bipinnatus 4651
Cynodon dactylon 4651
Cyperus rotundus 4651
Digitaria cruciata 4651
Echinochloa colonum 4651
Fagopyrum cymosum 4651
Geranium nepalense 4651
Gnaphalium luteo-album 4651
Spergula arvensis 4651
oxidoreductases 4958
peas 3205
ozone
Conyza bonariensis 4967
Phaseolus vulgaris 4967
peroxidases, wheat 4115
pH 4968
phospholipids 4968
photoinhibition, wheat 675
photosynthesis
Conyza canadensis 3209
Hordeum murinum subsp. *leporinum* 4944
photosystem I, *Arctotheca calendula* 1540
plant breeding
genetic transformation 3196
tolerance 3196
plant diseases
cotton 2892
grapes 4163
sugarbeet 4163
wheat 4163
plant growth regulators, wheat 675
plant pests, grapes 3814
population density
Coriandrum sativum 4252
lucerne 3306
Striga hermonthica 1606
properties, solubility 2319
proteins
peas 3205
wheat 4115
quality
grapes 320
groundnuts 1535
lucerne 3306
pomegranates 3350
regrowth
Cyperus rotundus 3453
pineapples 2059
residual effects, bananas 4228
residues
apples 2728
blood 1464
cabbages 2728
drinking water 4018

Paraquat *cont.*
residues *cont.*
foods 4464
fruit crops 2728
marrows 2728
plant products 4464
potatoes 2728
river water 2319
sesame 1649
soil 1490, 2337, 3165, 3671, 4019, 4228, 4509, 4529
vegetables 2728
waste water 157, 868
water 868, 3573, 4018-4019, 4089, 4466
resistance 194, 1809
Amaranthus lividus 4815
Arctotheca calendula 1540
Conyza 650
Conyza bonariensis 1814, 4967
Conyza canadensis 2373, 3081, 3209
Conyza sumatrensis 4815
Crassocephalum crepidioides 4815
Hordeum glaucum 2341, 4944
Hordeum murinum subsp. *leporinum* 4944
Lolium rigidum 983
Solanum nigrum 4815
ribulose-bisphosphate carboxylase, *Lolium perenne* 1543
seasonal variation
Hordeum glaucum 4944
Hordeum murinum subsp. *leporinum* 4944
seed banks, *Striga hermonthica* 1606
seed germination
groundnuts 654
sesame 1649
Vigna mungo 3453
Vigna radiata 3453
seed production, lucerne 2460
set, pomegranates 3349-3350
soil
bacteria 2337
degradation 4509
denitrification 2337
enzymes 3671, 4529
humus 3165
leaching 4509
microbial activities 2337, 3671
microorganisms 2337
movement 4509
nitrification 2337
organic matter 1490
persistence 4509
respiration 3671
soil flora 2337
soil types 3671, 4019, 4509, 4529
sorption 1490, 3165, 4019, 4509
stomata, *Chromolaena odorata* 4572
sugars
pomegranates 3350
sugarcane 2883
superoxide dismutase
Conyza canadensis 2373
cyanobacteria 1149
wheat 4115
temperature
Chromolaena odorata 4572
Hordeum murinum subsp. *leporinum* 4944
thylakoids, *Hordeum murinum* subsp. *leporinum* 4944
tolerance
groundnuts 2503
sugarcane 788
tobacco 3196
Valeriana officinalis 4250
wheat 4115
toxicity 605
Acari 3814
allergens 4892
animals 3147
aquatic invertebrates 608
aquatic organisms 1902
bacteria 4494
carcinogens 596, 2737
dogs 160
fungi 1074, 1474, 2892, 4061, 4089, 4498
guinea pigs 3600

Paraquat *cont.*
toxicity *cont.*
hamsters 157, 1893
insects 1474
man 594-596, 1057-1058, 1474, 1476, 1893-1894, 2312-2314, 2736-2737, 3147, 4485, 4892-4894
mice 598, 1893, 4897
mutagens 1474, 2737
Paramecium 1164
pigs 1901
rabbits 598
rats 158-159, 598, 602, 604, 1063, 1065, 1479, 1481, 2315, 2739, 4044, 4491, 4493, 4898-4899
shrimps 1902
snails 607
soil flora 2337
translocation 194
Arctotheca calendula 1540
Chromolaena odorata 4566
Conyza 650
Hordeum murinum subsp. *leporinum* 4944
Mikania micrantha 1515
transpiration, *Chromolaena odorata* 4572
trichomes, *Conyza* 650
tubers, potatoes 3326
ultrastructure, *Lolium perenne* 1543
uptake
Arctotheca calendula 1540
Chromolaena odorata 4566
Hordeum murinum subsp. *leporinum* 4944
Mikania micrantha 1515
peas 3205
variety trials, maize 3274
water
degradation 2319
fungi 4089
pH 2319, 4494
water relations, *Chromolaena odorata* 4566, 4572
yield components
grapes 320
linseed 321
Lotus corniculatus 4203
lucerne 2460
yields
apples 3341
Capsicum frutescens 1218
cherries 1221
fenugreek 2526
grapes 320
groundnuts 325, 1648, 2503, 2880
lentils 4185
linseed 321
lucerne 2460, 3306
maize 743, 3265, 3274
pomegranates 3350
potatoes 2048, 3326, 4651
sesame 1649
sorghum 729, 1606
soyabeans 2036, 3265, 3796
sugarcane 788, 2883
Trifolium subterraneum 1209
wheat 270, 729, 3265
zinc, groundnuts 1535
Paraserianthes falcataria
Indonesia 4697
weeds, control 4697
Paraserianthes lophantha
control, chemical control 4712
herbicides, application rates 4712
South Africa 4712
Parasites, control, *Cirsium arvense* 455
Parasitic weeds
biology 4726
growth rate 4272
nitrogen 465
nutrient uptake 390, 4271
photosynthesis 4271
roots 4272
water relations 4271
control 661, 1730, 4726
biological control 2919, 3892
chemical control 2920, 3892
cultural control 3892
physical control 3892

Parasitic weeds *cont.*
ecology
habit 3892
host parasite relationships 2920, 3892
nitrogen 465
nutrients 465
lentils, host parasite relationships 879
seeds, seed germination 1272, 4272
Parietaria, urban areas, plant communities 2614
Parietaria cretica
ecology
habitats 2904
spread 2904
toxicity, allergens 2904
Parietaria judaica
biology, pollen 4263-4264
ecology
habitats 2904
spread 2904
toxicity
allergens 2904, 4263-4264
man 4263-4264
Parkia biglobosa
Burkina Faso 801
weed control
damage 801
regenerative ability 801
Parks
weed control
contracts 3732
damage 801
labour requirements 3732
regenerative ability 801
Parsley (*Petroselinum crispum*)
France 5126
weed control, application date 5126
weeds
control 770
physical control 4987
Parsnips (*Pastinaca sativa*)
as weeds, control, chemical control 3389, 3391
Parthenium argentatum
herbicides
application rates 4238
population density 4238
USA 4238
weeds, plant competition 4238
Parthenium hysterophorus
Australia 555
biology
allelopathins 2560, 4724
ammonia 3088
composition 386, 2560, 3412, 4724
enzymes 3088
flowering 5153
flowers 2561
guaianolides 4724
lactones 386
leaves 2561
nutritive value 3412
phenolic compounds 4724
photorespiration 3088
pollen 386, 836, 5153
roots 2561
stems 2561
toxins 3412
Brassica campestris, hosts of plant diseases 4433
control 3746
biological control 386, 834
chemical control 3417
ecology
allelopathy 2560-2561
seasonal variation 5153
herbicides
application date 3417
translocation 3417
hosts
fungi 4433, 4725
insects 555
India 834, 3417, 5153
lentils, hosts of plant diseases 4433
okras, hosts of plant diseases 4433
pastures, invasion 4267
rice
allelopathy 2561
carotenoids 2561
chlorophyll 2561
growth rate 2561
Parthenium hysterophorus *cont.*
Ricinus communis, hosts of plant diseases 4433
seeds, seed germination 3412
sunflowers
hosts of plant pests 386, 555
India 386
toxicity
allergens 836
man 836
utilization
fodder crops 3412
methane production 3411, 4267
pesticidal plants 2560-2561
Vigna mungo, hosts of plant diseases 4433
Vigna radiata
allelopathy 2546
electron transfer 2546
seed germination 2546
waste land, invasion 4267
Parthenocissus quinquefolia
Liquidambar styraciflua
dry matter distribution 5131
growth rate 5131
nitrogen 5131
photosynthesis 5131
plant competition 5131
stomata 5131
USA 5131
Paspalidium flavidium
ecology
air pollution 3503
distribution 3503
plant communities 3503
population dynamics 3503
Paspalum
Striga asiatica
host parasite relationships 3003
resistance 3003
root exudates 3003
seed germination 3003
Striga aspera
host parasite relationships 3003
resistance 3003
root exudates 3003
seed germination 3003
Striga hermonthica
host parasite relationships 3003
resistance 3003
root exudates 3003
seed germination 3003
Paspalum conjugatum
biology
growth rate 3056
plant height 3056
Brachiaria decumbens, Martinique 5058
Brachiaria humidicola, Martinique 5058
control
chemical control 1227
cultural control 3030, 5058
ecology, allelopathy 3056
herbicides
rain 1573
surfactants 1573
Hevea brasiliensis
emergence 3030
seed banks 3030
oil palms
emergence 3030
seed banks 3030
seeds, seed germination 3030, 3056
South East Asia 1573
Paspalum dilatatum
control
chemical control 4232
physical control 4232
Paspalum distichum
control
chemical control 3292, 4193, 4233
cultural control 3292, 4193
physical control 2583, 3292, 4193, 4233
national parks
growth rate 403
population dynamics 403
seasonal variation 403
temperature 403
rice
growth rate 1778
light 1778
Paspalum distichum *cont.*
rice *cont.*
nutrient availability 1778
nutrient uptake 3292
plant competition 1778
population density 3292
population dynamics 3066
surveys 3066
yields 1778, 3292
Vigna radiata
nutrient uptake 3292
population density 3292
yields 3292
wetlands
growth rate 403
population dynamics 403
seasonal variation 403
temperature 403
Paspalum notatum
pecans
growth rate 4793
plant competition 4793
Paspalum paspalodes (*see Paspalum distichum*)
Paspalum repens
biology
biomass 2572
growth rate 2572
ecology, plant communities 2572
Paspalum scrobiculatum
rice
seasonal variation 3515
surveys 3515
Paspalum urvillei, control, chemical control 1964
Passiflora foetida
ecology
distribution 3911
population density 3911
grapes, hosts of plant diseases 2276
hosts, bacteria 2276
Pastinaca sativa (*see* Parsnips)
Pastures
Lolium perenne, Japan 4637
Agropyron desertorum, Canada 2459
Artemisia frigida
Canada 1617
economic thresholds 1617
grazing 1617
plant competition 1617
population density 1617
spread 1617
Australia 3905
Canada 2846
Carduus nutans
invasion 1786
New Zealand 1786, 4198
population dynamics 1786
Cerastium glomeratum, population dynamics 4637
Chromolaena odorata, yields 4147
Cirsium arvense
distribution 3945
surveys 3945
Cirsium macrocephalum, Russia 1620
Deschampsia flexuosa, population dynamics 488
Digitaria ciliaris, population dynamics 4637
Digitaria sanguinalis
New Zealand 3938
plant succession 3938
population dynamics 3938
seasonal variation 3938
Empetrum, population dynamics 488
Gutierrezia sarothrae
control 2033
USA 2033
herbicides
application date 4197
application rates 4197
economics 4634
plant communities 4634
selectivity 4198
yields 4634
Hydrocotyle, population dynamics 4637
Juncus effusus, UK 4633
Nardus stricta, population dynamics 488
Nassella trichotoma, invasion 1801
New Zealand 1411, 3927, 4197
Norway 488

Pastures *cont.*
Onopordum
establishment 3905
population dynamics 3905
seasonal variation 3905
seed banks 3905
Parthenium hysterophorus, invasion 4267
Persicaria longiseta, population dynamics 4637
Poa annua
New Zealand 3938
plant succession 3938
population dynamics 3938
seasonal variation 3938
Poa pratensis, population dynamics 4637
Raphanus raphanistrum, chemical control 3034
Senecio jacobaea
distribution 3945
grazing 4265
New Zealand 4265-4266
surveys 3945
temperature 4265
trampling 4265
Sesbania vesicaria, USA 2662
Sorbus aucuparia, population dynamics 488
USA 4634
Vaccinium myrtillus, population dynamics 488
Veratrum lobelianum, Russia 1620
weed control
application date 4633
application methods 4633
weeds
chemical control 1411
control 876, 4319
population dynamics 4637
surveys 4838
Pathogens
control
Acroptilon 104
Centaurea 104
Cirsium vulgare 454
Gutierrezia 2528
Orobanche 2982
weeds 103, 3107
Paths, *Elymus repens,* Poland 4704
Pe-tsai (*see* Chinese cabbages)
Peaches (*Prunus persica*)
Amaranthus hybridus
growth rate 2660
nutrient content 2660
plant competition 2660
population density 2660
USA 2660
herbicides
application rates 1220
damage 1220
growth rate 1220, 2495
tolerance 1220
Jordan 5087
Sorghum halepense, USA 2495
USA 1220, 4663
weed control
branches 5087
stems 5087
yields 4663
Peanuts (*see* Groundnuts)
Pears (*Pyrus communis* and *P. pyrifolia*)
herbicides
membrane permeability 4093
temperature 4093
India 2496, 2870
weeds
chemical control 1320, 2496
control 2870
Peas (*Pisum sativum*)
Aethusa cynapium
Germany 726
plant competition 726
population density 726
yields 726
Amaranthus retroflexus, Italy 1590
Anthemis cotula
growth rate 2210
leaf area 2210
nitrogen 2210
plant competition 2210
plant height 2210
soil water 2210
Peas *cont.*
Anthemis cotula cont.
yields 2210
barley, as weeds, Canada 322
Belgium 5017
Canada 1215, 5015
Echinochloa crus-galli, Poland 1563
Egypt 1773
Europe 3800
herbicides
acetyl-CoA carboxylase 1943
acid phosphatase 3193
adenosinetriphosphatase 3205
adjuvants 1563, 4125
alkaline phosphatase 3193
application date 3318, 3802, 4098, 4209
application methods 5070
application rates 1122, 2415, 2453, 2861, 3802, 4098, 4125, 4647, 5070
binding sites 2368, 4570
bioassays 3205
carotenoids 669
chlorophyll 669, 2778
chloroplasts 669, 1943, 2368
composition 3205
damage 1122, 1563, 2415, 2453
degradation 1888, 1944
drift 2453
droplet size 1122
economics 1563, 2861, 4604, 4647
environmental impact 3597, 3745
enzymes 669, 1943, 2041, 3193, 3205, 3218, 4570
fatty acids 1944, 1948
fluorescence 2368
gas exchange 2778
glutathione reductase (NAD(P)H) 3205
glutathione transferase 3218
growth rate 1122, 2778, 3193, 4098
imbibition 3193
iron 3205
lipids 1944, 1948, 3205
mitosis 205
nitrate reductase 3193
nitrogenase 2041
nodulation 2041
oxidoreductases 669, 3205
peroxidase 3193
pH 2368, 4570
photosynthesis 669, 2368, 3214
photosystem II 2368, 2778
pigments 669, 2778
plant growth regulators 2778
plant height 4098
plant pests 4090
proteins 669, 3205
pyruvic acid 4570
reproduction 4098
residual effects 2415
residues 1888
roots 3218
seed germination 1948, 2453
seed production 4098
seed treatment 3193
seed weight 2453
shoots 3218
soil types 2415
surfactants 4127
thiamin phosphates 4570
thylakoids 3213
tissue culture 205
tolerance 2453, 3745
translocation 1122
uptake 1122, 3205
yields 1215, 2041, 2415, 2453, 2474, 3801-3802, 4098, 4604, 5027
India 2041, 2474, 3316, 4604
Medicago lupulina, hosts of plant diseases 4849
Orobanche
damage 2933
host parasite relationships 1628, 2859, 2933
Italy 1628
yields 1628
Orobanche crenata
growth rate 761
host parasite relationships 761, 2852
Peas *cont.*
Orobanche crenata cont.
seed banks 761
yields 761
Orobanche ramosa, host parasite relationships 2851
Poland 724, 4125, 4209, 4607, 5027
Polygonum aviculare, Italy 1590
Russia 2415, 3802
Solanum nigrum, Italy 1590
Ukraine 1656
USA 2453, 3317, 4647
weed control
application date 3317
economics 1320, 4604, 4607
environmental impact 1320, 3597
enzymes 2041
nitrogenase 2041
nodulation 2041
yields 322, 1215, 2041, 2474, 3317, 4604, 5027
weeds
chemical control 311, 721, 2410, 2861, 3316, 3318, 3745, 3800-3801
control 1627, 2807, 3744, 3746, 5069
habit 1215
occurrence 3746
physical control 5020
plant competition 1215, 1773, 3317
population density 3317
sowing rates 1215
yields 1215, 3317, 4607
Pebulate
fatty acids
barley 1948
peas 1948
wheat 1948
lipids
barley 1948
peas 1948
wheat 1948
seed germination, peas 1948
Pecans (*Carya illinoensis*)
Cynodon dactylon
growth rate 4793
plant competition 4793
Cyperus esculentus
growth rate 4793
plant competition 4793
Eremochloa ophiuroides
growth rate 4793
plant competition 4793
herbicides
growth rate 2060
tolerance 341
yields 2060
Indigofera hirsuta
growth rate 4793
plant competition 4793
Paspalum notatum
growth rate 4793
plant competition 4793
Trifolium incarnatum
growth rate 4793
plant competition 4793
Trifolium pratense
growth rate 4793
plant competition 4793
USA 341, 2060, 4793
Vicia sativa
growth rate 4793
plant competition 4793
Vicia villosa
growth rate 4793
plant competition 4793
weed control
growth rate 2060
yields 2060
weeds
chemical control 2060
plant competition 341
Pedicularis canadensis
Melilotus alba
distribution 951
habitats 951
population density 951
Potentilla arguta
distribution 951
habitats 951
population density 951

Pedicularis canadensis *cont.*
Solidago graminifolia
distribution 951
habitats 951
population density 951
USA 951
Pelargonium hortorum
herbicides
application rates 1240
damage 1240
surfactants 1240
tolerance 1240
Pendimethalin
adjuvants
faba beans 4125
maize 4125
peas 4125
potatoes 4125
rape 4125
sugarbeet 4125
analytical methods
gas chromatography 1869
mass spectrometry 1869
application
application date 2325
application methods 2401
application rates 2401, 3645
soil injection 3645
application date
forests 3388
maize 3268, 3770
onions 3809
peas 3318
rice 2024, 3788, 4192
rights of way 3388
roadsides 3388
soyabeans 1213
sugarcane 789, 1229
sunflowers 785
application methods
Indian mustard 2065
maize 3770
Phaseolus vulgaris 760
sugarcane 789
application rates
cereals 264
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
cotton 4690
Cynodon transvaalensis × *C. dactylon* 3377
Echinacea purpurea 2098
faba beans 4125
Festuca 3378
Festuca arundinacea 3377
Gaillardia aristata 2098
garlic 3333
Lolium perenne 3378
maize 3770, 4125
onions 3809
Parthenium argentatum 4238
peas 4125
Poa pratensis 2523, 3378
potatoes 3805, 4125
rape 4125
rice 2024
Rudbeckia hirta 2098
soyabeans 3799
sugarbeet 4125
sugarcane 789
Vigna radiata 2478
band spraying, garlic 3333
branching, *Vigna radiata* 2478
cell division 1134
chemistry
degradation 2297
photolysis 2281, 2297, 4005
structure activity relationships 3967
climate, rice 4192
control
Ageratum conyzoides
groundnuts 4232
Morus australis 4244
potatoes 4650
rice 4631
soyabeans 3799
Agrostis capillaris
Festuca 3304
grasslands 3304
Alisma, rice 4192

Pendimethalin *cont.*
control *cont.*
Alopecurus aequalis var. *amurensis* 2585
Amaranthus palmeri, groundnuts 325
Amaranthus viridis
groundnuts 4232
Morus australis 4244
potatoes 3322
rice 4631
Ambrosia artemisiifolia
maize 287
potatoes 4651
Anagallis arvensis
chickpeas 764
Indian mustard 4233
potatoes 4650
sugarcane 4165
wheat 4165
Anthemis arvensis, Oenothera biennis 4680
Apera spica-venti, Oenothera biennis 4680
aquatic weeds, rice 4192
Asclepias syriaca, maize 287
Beckmannia syzigachne 2585
Borreria articularis, soyabeans 3799
Calystegia sepium 3451
Capsella bursa-pastoris, Coriandrum sativum 4252
Cassia obtusifolia
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Quercus virginiana 3376
Viburnum utile 3376
Celosia argentea, groundnuts 4232
Chenopodium album
Chenopodium quinoa 295
chickpeas 764
Coriandrum sativum 4252
Indian mustard 4233
maize 287
potatoes 3326, 4650
sugarcane 4165
wheat 3261, 4165
chicory, as weeds, Indian mustard 4233
Cleome monophylla, potatoes 3322
Cleome viscosa
groundnuts 2501
rice 2026
Commelina benghalensis
Morus australis 4244
potatoes 3322
Convolvulus arvensis, Coriandrum sativum 4252
Conyza canadensis
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Coronilla varia, maize 3268
Coronopus didymus, potatoes 3326
Cosmos bipinnatus, potatoes 4651
cress
as weeds
sugarcane 4165
wheat 4165
Cynodon dactylon
groundnuts 2501
Indian mustard 4233
Morus australis 4244
potatoes 4650-4651
rice 2026, 4631
soyabeans 1213, 2464, 3799
Cyperus difformis, rice 4191, 5048
Cyperus iria
groundnuts 4232
rice 4191, 5048
Cyperus rotundus 2604
groundnuts 2501, 4232
Indian mustard 4233
Morus australis 4244

Pendimethalin *cont.*
control *cont.*
Cyperus rotundus cont.
potatoes 3322, 3326, 4650-4651
rice 2026, 3788, 4631
soyabeans 2464, 3799
wheat 727
Dactylis glomerata
Festuca 3304
grasslands 3304
Dactyloctenium aegyptium, soyabeans 3799
Digera arvensis
groundnuts 2501
soyabeans 2464
Digitaria ciliaris
Indian mustard 4233
Morus australis 4244
soyabeans 3799
Digitaria cruciata, potatoes 4651
Digitaria ischaemum 1318
Festuca 3378
lawns and turf 3379
Lolium perenne 3378
Poa pratensis 3378-3379
Digitaria marginata, potatoes 3322
Digitaria sanguinalis
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Cynodon dactylon 357, 1241
Festuca arundinacea 1241
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Lolium perenne 2894
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Poa pratensis 2093
Echinochloa colonum
groundnuts 4232
potatoes 3322, 4651
rice 4191, 5048
soyabeans 1213, 2464
Echinochloa crus-galli
groundnuts 3355
rice 2024, 2026, 3786, 3788, 4191, 5048
Eclipta alba, rice 3786
Eleusine indica
Cynodon dactylon 357
groundnuts 2501, 4232
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Poa pratensis 2093
Quercus virginiana 3376
Viburnum utile 3376
Elymus repens, maize 287
Euphorbia hirta
groundnuts 2501
rice 2026
Euphorbia humistrata
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Euphorbia maculata
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
Fagopyrum cymosum, potatoes 4651
Fallopia convolvulus
oats 4622
Vicia sativa 4622
Fumaria officinalis
oats 4622
Vicia sativa 4622
Fumaria parviflora, potatoes 4650
Galium aparine 2483
potatoes 3805

Pendimethalin *cont.*
control *cont.*
Galium tricornutum, potatoes 3805
Geranium nepalense, potatoes 4651
Gnaphalium indicum, potatoes 4650
Gnaphalium luteo-album, potatoes 4651
Heteranthera, rice 4192
Lamium amplexicaule
oats 4622
Vicia sativa 4622
Lamium purpureum, *Coriandrum sativum* 4252
Leptochloa chinensis, rice 4191, 5048
Leptochloa fascicularis 3452
Leptochloa filiformis 3452
Leucas aspera, rice 4631
Lolium perenne 1619
Festuca 3304
grasslands 1618, 3304
seed crops 1618
Lolium rigidum, oats 3768
Ludwigia adscendens, rice 4191, 5048
Marsilea quadrifolia, rice 4191, 5048
Medicago denticulata
sugarcane 4165
wheat 4165
Medicago polymorpha
Indian mustard 4233
wheat 727
Melilotus, wheat 727
Melilotus alba
Indian mustard 4233
potatoes 4650
Melilotus indica
potatoes 3326
sugarcane 4165
wheat 4165
Mimosa pudica, rice 4631
Monochoria vaginalis, rice 5048
Myosotis arvensis, *Oenothera biennis* 4680
Oenothera laciniata
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Quercus virginiana 3376
Viburnum utile 3376
Oxalis corniculata, potatoes 4650
Oxalis stricta
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
Panicum, soyabeans 3799
Panicum ramosum, rice 4631
Panicum repens, rice 4191
Panicum texanum, groundnuts 325
Paspalum dilatatum, groundnuts 4232
Paspalum distichum, Indian mustard 4233
Phalaris minor
chickpeas 764
Indian mustard 4233
sugarcane 4165
wheat 727, 4165
Phyllanthus niruri
groundnuts 2501
rice 4631
soyabeans 2464
Physalis heterophylla, maize 287
Poa annua
Oenothera biennis 4680
potatoes 3326
Polygonum aviculare
oats 4622
Vicia sativa 4622
wheat 3261
Polygonum pensylvanicum, maize 287
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
Portulaca oleracea, Indian mustard 4233
Rottboellia cochinchinensis
maize 286

Pendimethalin *cont.*
control *cont.*
Rottboellia cochinchinensis cont.
Phaseolus 286
sugarcane 789
Rumex, potatoes 3326
Rumex dentatus
chickpeas 764
Indian mustard 4233
Setaria pumila
groundnuts 4232
maize 287
Silene conoidea
sugarcane 4165
wheat 4165
Sinapis arvensis, wheat 3261
Solanum khasianum, potatoes 3322
Solanum nigrum, potatoes 4650
Sorghum halepense
apples 2495
peaches 2495
sugarcane 1229
wheat 3261
Spergula arvensis
Indian mustard 4233
potatoes 3326, 4651
Striga gesnerioides
maize 4279
sorghum 4279
Striga hermonthica
maize 4279
sorghum 4279
Trianthema portulacastrum, groundnuts 3355, 4232
Trichodesma indicum, soyabeans 3799
Trifolium fragiferum
Indian mustard 4233
wheat 727
Veronica dillenii, *Oenothera biennis* 4680
Vicia sativa, chickpeas 764
Viola arvensis, *Oenothera biennis* 4680
Vulpia myuros
Festuca 3304
grasslands 3304
weeds 2401
Amaranthus 4604
apples 318, 2495
asparagus 772
aubergines 3332
beetroots 4604
black currants 318
cabbages 4604
Capsicum 3332
carrots 2483
cauliflowers 4604
cereals 264
Chenopodium quinoa 295
chickpeas 2476
chicory 5083
Coriandrum sativum 295, 4252
cotton 798, 2085, 3831, 4690
cowpeas 2047
faba beans 4125
fenugreek 2526
Festuca 3304
Gardenia jasminoides 1129
garlic 2049, 3333
grasslands 3304
groundnuts 2064, 2762, 2882, 3356, 5043
hops 318
Indian mustard 2065-2066, 4233
jute 2088
maize 743, 1869, 2000, 2822, 3770-3771, 4125
oats 4622
Oenothera biennis 4680
okras 4604
onions 2486, 2488, 3332, 3809
ornamental plants 318
Parthenium argentatum 4238
peaches 2495
peas 2041, 2474, 3318, 4125, 4604
Phaseolus 4604
pigeon peas 2042, 2044, 2762, 3319
potatoes 2481-2483, 3258, 4125

Pendimethalin *cont.*
control *cont.*
weeds *cont.*
radishes 4604
rape 4125
raspberries 318
Rhododendron obtusum 1129
rice 2021, 2025, 2029, 2841, 3293, 3786-3787, 4191-4192, 4631, 5048
sesame 2064
soyabeans 758, 1213, 4627, 5043
strawberries 318
sugarbeet 4125
sunflowers 2762, 4231, 5090
tomatoes 3332, 3338, 4604
Vicia sativa 4622
Vigna radiata 2478, 5072
wheat 3258, 3261, 5024
cross resistance, *Alopecurus myosuroides* 3967
cuttings
Gardenia jasminoides 1129
Rhododendron obtusum 1129
damage
asparagus 772
Chenopodium quinoa 295
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Cynodon dactylon 357
Cynodon transvaalensis × *C. dactylon* 3377
Echinacea purpurea 2098
Festuca 3304
Festuca arundinacea 3377
flax 2475
Gaillardia aristata 2098
grasslands 3304
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Indian mustard 2065
Lagerstroemia fauriei × *L. indica* 3376
lawns and turf 1242, 3379
lentils 2475
oats 4622
onions 2486
ornamental plants 3376
Poa pratensis 3379
potatoes 3805
Quercus virginiana 3376
rice 4191
Rudbeckia hirta 2098
soyabeans 1213, 3799
Stenotaphrum secundatum 4103
sugarcane 789, 4165
sunflowers 785
Viburnum utile 3376
Vicia sativa 4622
wheat 4165
degradation, *Alopecurus myosuroides* 3967
development
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
economics
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
groundnuts 4232, 5043
jute 2088
okras 4604
peas 4604
Phaseolus 4604
potatoes 2481, 4651
radishes 4604
soyabeans 3799, 5043
tomatoes 4604
energy cost of activities, soyabeans 3799
enzymes, peas 2041
flowering
Allium sphaerocephalon 2896
Canna 2896

Pendimethalin *cont.*
flowering *cont.*
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
formulations
granules 2523
wettable powders 2523
growth rate
Allium sphaerocephalon 2896
apples 2495
Calystegia sepium 3451
Canna 2896
Cleome viscosa 2026
Coriandrum sativum 295, 4252
cowpeas 2047
Crocosmia crocosmiiflora 2896
Cynodon dactylon 2026
Cyperus rotundus 2026
Echinochloa crus-galli 2026
Euphorbia hirta 2026
Gardenia jasminoides 1129
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
maize 3268
Narcissus 2896
onions 2488
Ornithogalum umbellatum 2896
Paeonia 2896
peaches 2495
Rhododendron obtusum 1129
rice 2026, 3293, 3788
Stenotaphrum secundatum 4103
Vigna radiata 653, 2478
interactions
adjuvants 4125
herbicides 1318, 2024, 3304, 3376, 3379, 4192, 4680
leaf area, *Vigna radiata* 653
leaf area index
rice 3788
Vigna radiata 2478
legislation, France 3770
microtubules 1134
mitosis 1134
mode of action 3770
Striga gesnerioides 4279
Striga hermonthica 4279
nitrogenase, peas 2041
nodulation, peas 2041
nutrient content, wheat 3261
nutrient uptake
Ageratum conyzoides 4244, 4650
Amaranthus viridis 4244
Ambrosia artemisiifolia 4651
Anagallis arvensis 4650
Chenopodium album 4650
Commelina benghalensis 4244
Cosmos bipinnatus 4651
Cynodon dactylon 4244, 4650-4651
Cyperus difformis 4191
Cyperus iria 4191
Cyperus rotundus 4244, 4650-4651
Digitaria ciliaris 4244
Digitaria cruciata 4651
Echinochloa colonum 4191, 4651
Echinochloa crus-galli 4191
Fagopyrum cymosum 4651
Fumaria parviflora 4650
Geranium nepalense 4651
Gnaphalium indicum 4650
Gnaphalium luteo-album 4651
groundnuts 3356
Leptochloa chinensis 4191
Ludwigia adscendens 4191
Marsilea quadrifolia 4191
Melilotus alba 4650
Morus australis 4244
Oxalis corniculata 4650
Panicum repens 4191
potatoes 4650
Solanum nigrum 4650
Spergula arvensis 4651
sunflowers 4231
population density
Coriandrum sativum 4252

Pendimethalin *cont.*
population density *cont.*
flax 2475
lentils 2475
Parthenium argentatum 4238
population dynamics
Ageratum conyzoides 3799
Borreria articularis 3799
Cynodon dactylon 3799
Cyperus rotundus 3799
Dactyloctenium aegyptium 3799
Digitaria ciliaris 3799
oats 4622
Panicum 3799
Trichodesma indicum 3799
Vicia sativa 4622
quality, groundnuts 1647
rain
onions 2486
sunflowers 785
residual effects 2476
Acanthospermum hispidum 4604
Cynodon dactylon 4604
Cyperus iria 4604
Cyperus rotundus 4604
Euphorbia 4604
Lagascea mollis 4604
Mollugo pentaphylla 4604
Portulaca oleracea 4604
residues
atmosphere 137, 2297
groundwater 2325, 3140
maize 4079
Poa pratensis 2523
potatoes 4079
rain 137
sediment 142, 2732
soil 170, 626, 1082, 1869, 2041, 2325, 2523, 2762, 2894, 3169, 3645, 3770, 4079, 4087, 4604, 4875, 4918, 4938
soil water 626, 4078-4079
surface water 3645
water 142, 1869, 2732, 4078
wells 1869
resistance
Alopecurus myosuroides 3967
Echinochloa crus-galli 2024
Sorghum halepense 3261
rooting
Gardenia jasminoides 1129
Rhododendron obtusum 1129
roots
Gardenia jasminoides 1129
Rhododendron obtusum 1129
Stenotaphrum secundatum 4103
seed germination
Striga gesnerioides 4279
Striga hermonthica 4279
Vigna radiata 653
seed production
grasslands 1618
Lolium perenne 1619
seed crops 1618
sunflowers 5090
Vigna radiata 2478, 5072
selectivity
asparagus 772
sunflowers 785
soil
Actinomycetales 4938
bacteria 2041, 4087, 4525, 4938
biodegradation 4525
climate 2325
degradation 170, 2894
fertilizers 4078
fungi 2041, 4087, 4938
irrigation 626
leaching 1082, 2325
microorganisms 2041, 2762, 4087
movement 170, 626, 2894, 3169, 3645, 4079
organic matter 4078
persistence 1082, 3770, 4078, 4604
photolysis 1082
respiration 2762
Rhizobium 2041
runoff 142, 626, 2732, 4078
soil flora 4938
soil types 2325, 3805, 4918
soil water 2325, 4918

Pendimethalin *cont.*
soil *cont.*
sorption 1082, 3645, 4078, 4918
volatilization 1082
soil water
Indian mustard 2065
maize 3770
sugars, sugarcane 1229
surfactants, soyabeans 1213
survival, *Vigna radiata* 653
susceptibility
Alopecurus aequalis var. *amurensis* 2585
Beckmannia syzigachne 2585
tolerance
Allium sphaerocephalon 2896
Canna 2896
chickpeas 2476
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Crocosmia crocosmiiflora 2896
Cynodon transvaalensis × *C. dactylon* 3377
Echinacea purpurea 2098
Festuca arundinacea 3377
flax 2475
Gaillardia aristata 2098
Hemerocallis 2896
Iris germanica 2896
lentils 2475
Lilium 2896
Narcissus 2896
oats 4622
Ornithogalum umbellatum 2896
Paeonia 2896
Rudbeckia hirta 2098
Valeriana officinalis 4250
Vicia sativa 4622
toxicity
fungi 1074
man 1892
mutagens 1892
rats 1892
tubers, potatoes 3322, 3326, 4650
variety trials
groundnuts 1647
potatoes 3805
yield components
groundnuts 4232
rice 4191
Vigna radiata 653, 2478
yields
Amaranthus 4604
aubergines 3332
beetroots 4604
cabbages 4604
Capsicum 3332
cauliflowers 4604
chickpeas 764
chicory 5083
cotton 798
cowpeas 2047
fenugreek 2526
Festuca 3304
flax 2475
garlic 2049, 3333
grasslands 1618, 3304
groundnuts 325, 1647, 2064, 2501, 2882, 3355, 4232, 5043
Indian mustard 2065-2066, 4233
jute 2088
lentils 2475
Lolium perenne 1619
maize 287, 743, 2000, 2822, 3276
Morus australis 4244
Oenothera biennis 4680
okras 4604
onions 2488, 3332
peas 2041, 2474, 4604
Phaseolus 4604
Phaseolus vulgaris 760
pigeon peas 2042, 2044, 3319
potatoes 2481-2482, 3258, 3322, 3326, 3805, 4650-4651
radishes 4604
rice 2025, 2029, 2841, 3786-3788, 4191, 4631
seed crops 1618
sesame 2064
soyabeans 758, 1213, 2464, 3799, 5043

Pendimethalin *cont.*
yields *cont.*
sugarcane 1229, 4165
sunflowers 785, 4231, 5090
tomatoes 3332, 4604
Vigna radiata 653, 2478, 5072
wheat 727, 3258, 3261, 4165, 5024
Pennisetum clandestinum
biology
genetic variation 4404
isoenzymes 4404
vegetative propagation 4404
control, chemical control 3381
ecology
invasion 4404
spread 4404
golf courses
genetic variation 4404
USA 4404
lawns and turf
plant competition 3381
USA 3381
Lolium perenne
plant competition 3381
USA 3381
Poa pratensis
plant competition 3381
USA 3381
Pennisetum flaccidum, control, chemical control 3382
Pennisetum glaucum
Amaranthus viridis
control 4797
nutrient uptake 4797
plant competition 4797
as weeds
biology
drought resistance 458
genetics 458
plant diseases 458
Mali 458
Niger 458
Pennisetum glaucum, hybridization 458
Senegal 458
Cyperus rotundus
allelopathy 1788
control 4797
nutrient uptake 4797
plant competition 4797
Digera arvensis
control 4797
nutrient uptake 4797
plant competition 4797
Echinochloa colonum
control 4797
nutrient uptake 4797
plant competition 4797
herbicides
chlorophyll 670
chloroplasts 670
chlorosis 670
damage 670
enzymes 670
light 670
nutrient uptake 5040
phosphorylase 670
yields 3781
Imperata cylindrica
allelopathy 2665
cell division 2665
growth rate 2665
seed germination 2665
India 3781, 4797, 5039-5040
Mali 745
Pennisetum glaucum, as weeds, hybridization 458
Phyllanthus niruri
control 4797
nutrient uptake 4797
plant competition 4797
Striga
resistance 396
yields 396, 4729
Striga asiatica
host parasite relationships 1692, 2993
population density 1692
Striga hermonthica, host parasite relationships 2993
Trianthema portulacastrum
control 4797
Pennisetum glaucum *cont.*
Trianthema portulacastrum cont.
nutrient uptake 4797
plant competition 4797
weed control
nutrient uptake 5040
plant height 745
yields 745, 3781, 4797
weeds
control 3746
occurrence 3746
Pennisetum polystachion
biology, tillering 3461
ecology
shading 3461
spread 6
seeds
light 3461
moisture 3461
pH 3461
salinity 3461
seed dispersal 6
seed germination 3461
sowing depth 3461
temperature 3461
Pennisetum purpureum
Nigeria 249
utilization, mulches 249
Pennisetum setaceum
biology
dry matter distribution 29
growth rate 29
photosynthesis 29
water relations 29
ecology
drought 29
invasion 29
grasslands, invasion 29
Heteropogon contortus, invasion 29
Pentachlorophenol
analytical methods, screening 3126
cell division, algae 4099
degradation, *Eichhornia crassipes* 409
enzymes, *Eichhornia crassipes* 409
glutathione transferase, *Eichhornia crassipes* 409
growth rate, algae 4099
mutants, algae 4099
residues
fishes 4058
groundwater 2303
soil 3126
urine 4036
water 409, 4058
superoxide dismutase, *Eichhornia crassipes* 409
toxicity
aquatic animals 4906
aquatic organisms 4907, 4909
bacteria 1056
Crustacea 4907
fishes 4058
insects 4909
man 4036
uptake, *Eichhornia crassipes* 409
water
volatilization 4058
water purification 2303
Pentanochlor
control, weeds, *Coriandrum sativum* 295
growth rate, *Coriandrum sativum* 295
Pentanvate, methyl 3-hydroxy-4-[4-[[s-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]- 2401
Pepper (*Capsicum*) (*see Capsicum*)
Perenal 104 EC 4125
Perfluidone, control, *Heteranthera reniformis,* rice 2436
Perilla frutescens
biology
photoperiodism 3247
taxonomy 3247
toxicity 3247
utilization
essential oil plants 3247
foods 3247
medicinal plants 3247
oilseed plants 3247
ornamental plants 3247
Persea americana (*see* Avocados)
Persicaria longiseta
control
cultural control 4637
integrated control 4637
Lolium perenne, population dynamics 4637
pastures, population dynamics 4637
Persicaria nodosa
biology, antioxidants 3248
utilization, medicinal plants 3248
Peru
weeds
anatomy 1365
identification 1365
Pteridophyta 1365
taxonomy 1365
Pesticidal plants, as weeds 5, 467
Petroselinum crispum (*see* Parsley)
Petteria ramentacea
Cuscuta platyloba
composition 1697
host parasite relationships 1697
quinolizidine alkaloids 1697
translocation 1697
Cuscuta reflexa
composition 1697
host parasite relationships 1697
quinolizidine alkaloids 1697
translocation 1697
Petunia axillaris
ecology
invasion 977
population dynamics 977
surveys 977
Petunia hybrida
herbicides
application rates 1240
surfactants 1240
tolerance 1240
Peucedanum terebinthaceum, utilization, pesticidal plants 3248
Phacelia
Germany 496
weeds, control 496
Phacelia tanacetifolia, Poland 5059
Phalaris
control, chemical control 2487
sugarbeet
surveys 499
weed associations 499
sunflowers
surveys 499
weed associations 499
wheat
surveys 499
weed associations 499
Phalaris aquatica
Carduus nutans
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
Poa annua, invasion 3053
Phalaris arundinacea
biology
dry matter 3921
growth rate 3921
rhizomes 3921
tillering 3921
control, chemical control 4752
ecology
algae 3870
colonizing ability 3921
flooding 3870, 3921
seasonal variation 3921
survival 3921
herbicides, adjuvants 4752
hosts, algae 3870
Poland 299
Phalaris brachystachys
barley, surveys 3954
chickpeas, surveys 3954
ecology
soil types 3954
surveys 3954
faba beans, surveys 3954
lentils, surveys 3954
maize, surveys 3954

Phalaris brachystachys *cont.*
seeds
light 3029
seed germination 3029
temperature 3029
wheat, surveys 3954
Phalaris canariensis, control, chemical control 4702
Phalaris minor
control
chemical control 727, 764, 1211, 1990, 2817, 2820, 3263, 4162, 4165-4166, 4233
cultural control 727, 1211, 2664
integrated control 2817
physical control 727, 764, 1211, 2817, 4165-4166, 4233
rice
allelopathy 2664
growth rate 2664
seed germination 2664
seeds
light 3029
seed germination 3029
temperature 3029
wheat
India 1990
New Zealand 4162
Phalaris paradoxa
control, chemical control 4162
seeds
light 3029
seed germination 3029
temperature 3029
wheat, New Zealand 4162
Pharbitis hederacea
control
chemical control 424, 426, 1564, 2036, 2516, 2880, 4753, 5104, 5106, 5109
cultural control 4372
integrated control 2516
physical control 2516
cotton, USA 2516
herbicides
adjuvants 426
application rates 424, 4753
bioassays 3552
degradation 2776
enzymes 2776
growth rate 424
morphology 424
resistance 426
translocation 2776
uptake 424, 2776
soyabeans
growth rate 4372
leaf area 4372
plant competition 4372
seed production 4372
soil water 4372
USA 4372
yields 4372
Pharbitis nil
biology
composition 1848
phloem 1848
plant growth regulators 1848
Pharbitis purpurea
biology
growth rate 4432
morphology 1575
waxes 1575
control, chemical control 426, 4753
herbicides
adjuvants 426
application rates 4753
degradation 1938, 2776
enzymes 1938, 2776
leucine 1938
resistance 426, 1938, 2776
surfactants 1575
translocation 1938, 2776
uptake 1938, 2776
hosts, fungi 544, 4432
Phaseolus
herbicides
application rates 1980
damage 2860
economics 4604
environmental impact 2807
Phaseolus *cont.*
herbicides *cont.*
fluorescence 4964
plant communities 267
temperature 4964
yields 4604
India 4604
Rottboellia cochinchinensis, Costa Rica 286
Striga gesnerioides
host parasite relationships 3429
resistance 3429
UK 267
weed control
economics 4604
yields 4604
weeds
chemical control 267, 1980
control 1588
distribution 267
species diversity 267
Phaseolus aconitifolia
Trianthema portulacastrum
hosts of plant pests 99
India 99
Tribulus terrestris
hosts of plant pests 99
India 99
Phaseolus calcaratus *(see Vigna umbellata)*
Phaseolus lunatus, weeds, control 305
Phaseolus umbellatus *(see Vigna umbellata)*
Phaseolus vulgaris
Ageratum conyzoides, hosts of plant pests 4846
Amaranthus
hosts of plant diseases 93
Spain 93
Amaranthus hybridus
plant competition 943
population density 943
USA 943
yields 943
Amaranthus retroflexus
hosts of plant pests 96
USA 5071
Anchusa italica, nutrient uptake 2196
Brazil 760
Cameroon 1212
Chenopodium album, nutrient uptake 2196
Chrysanthemum, hosts of plant pests 96
Cyperus esculentus, USA 2849
Datura
hosts of plant diseases 93
Spain 93
Datura stramonium, hosts of plant pests 96
Digitaria sanguinalis
plant competition 943
population density 943
USA 943
yields 943
Echinochloa crus-galli, nutrient uptake 2196
Emilia sonchifolia, hosts of plant pests 96
Fallopia convolvulus, nutrient uptake 2196
Galinsoga parviflora, hosts of plant pests 96
Germany 3616
herbicides
adjuvants 5071
antagonism 1558
application date 309, 3741
application methods 760, 3741, 5070
application rates 1601, 2039, 5070
bioassays 1558
carriers 1558
chlorophyll 4646
damage 1212, 1558, 2039-2040, 4212, 4646, 4967
economics 2196
growth rate 2039-2040, 4646
ozone 4967
relative humidity 3616
residual effects 1601, 2039-2040, 4212, 5068
residues 3616
safeners 4646
selectivity 3741
Phaseolus vulgaris *cont.*
herbicides *cont.*
temperature 3616
tolerance 309, 1601, 3741, 4212, 4646
translocation 4646
uptake 4646
weed control
damage 310
economics 310
yields 310
wind effects 3616
yields 760, 1212, 4212, 4646, 5068
Hydrocotyle umbellata, hosts of plant pests 96
Italy 5068
Medicago lupulina, hosts of plant diseases 4849
Mexico 4211
Mollugo verticillata, USA 2849
Nicandra physalodes, hosts of plant pests 4846
Nicotiana alba
hosts of plant diseases 93
Spain 93
Orobanche crenata, seed banks 761
Polygonum aviculare, nutrient uptake 2196
Polygonum persicaria, nutrient uptake 2196
Portulaca oleracea, hosts of plant pests 96
potatoes, as weeds, UK 309
rape, as weeds, UK 309
Richardia scabra, USA 2849
Setaria viridis, USA 310
Sinapis arvensis
Canada 941
plant competition 941
population density 941
seed weight 941
yields 941
Solanum ptycanthum, USA 5071
Sonchus asper, hosts of plant pests 96
South Africa 4212
Spain 2196
USA 2409, 4646
weed control
economics 2196
yields 760
weeds
chemical control 721, 2409-2410
control 5069
hosts of plant pests 3989, 4846
Phenanthroline 3214
Phenmedipham
adjuvants
Chenopodium album 1167
fodder beet 2385
sugarbeet 226, 4685
analytical methods
extraction 3564
gas chromatography 3557, 3564
HPLC 3557, 3564
liquid chromatography 3564
mass spectrometry 3564
thin layer chromatography 3557
application date, sugarbeet 793, 2310, 2887, 3828, 5098
application methods, fodder beet 1998
application rates
barley 329
sugarbeet 226, 793, 2310, 2508, 2887, 4134
tobacco 1136
bioassays
Galium aparine 4235
Lamium purpureum 4235
Polygonum persicaria 4235
Solanum nigrum 4235
Stellaria media 4235
control
Abutilon theophrasti, sugarbeet 2069
Aethusa cynapium
fodder crops 726
sugarbeet 726
Amaranthus retroflexus, sugarbeet 2069, 2076, 2509, 5098
Ammi majus, sugarbeet 2069
Chenopodium, sugarbeet 2069
Chenopodium album 1167

Phenmedipham *cont.*
control *cont.*
Chenopodium album cont.
Chenopodium quinoa 295
sugarbeet 2509, 5098
Convolvulus arvensis, sugarbeet 2069
Cuscuta campestris, sugarbeet 2069
Elymus repens, sugarbeet 2071-2072
Fallopia convolvulus, sugarbeet 1658
Galium aparine 4235
Kochia scoparia, sugarbeet 2509, 5098
Lamium purpureum 4235
Poaceae, sugarbeet 2076
Polygonum aviculare, sugarbeet 1658, 2069, 2508
Polygonum latifolium, sugarbeet 2069
Polygonum persicaria 4235
sugarbeet 2069
potatoes, as weeds, sugarbeet 5101
Solanum nigrum 4235
sugarbeet 2069
Solanum sarrachoides, sugarbeet 2509, 5098
Stellaria media 4235
weeds
Chenopodium quinoa 295
Coriandrum sativum 295
fodder beet 1998, 2385
sugarbeet 226, 329-331, 793, 2076, 2508, 2887-2888, 3828, 4134, 4685, 5097-5098
Zantedeschia albomaculata 4249
damage
barley 329
Chenopodium quinoa 295
sugarbeet 2509
degradation, tobacco 1136
economics, sugarbeet 793, 2888
enzymes, tobacco 1136
erosion, barley 329
formulations, carriers 2509
growth rate, *Coriandrum sativum* 295
herbicides
application date 331
application rates 331
damage 331
tolerance 331
interactions
adjuvants 226, 1167, 2385, 4685
fertilizers 3801
herbicides 2069, 2310, 2385, 2888, 3828, 4134, 4235, 5097-5098, 5101
insecticides 637
surfactants 1167
legislation, European Communities 3557
nontarget effects, fungi 3602
plant breeding
genetic transformation 1136
tolerance 1136
quality, sugarbeet 2072
residues
soil 637
water 3557, 3564
soil, microorganisms 637
sprayers, sugarbeet 1658
surfactants, sugarbeet 4134
tolerance, tobacco 1136
toxicity, fungi 3602
tubers, *Zantedeschia albomaculata* 4249
yields
fodder beet 1998
sugarbeet 2072, 2076, 2887
Zantedeschia albomaculata 4249
Phenoxy herbicides
analytical methods
extraction 3125, 3563
gas chromatography 1037, 3125, 3563
mass spectrometry 1037, 3125, 3563
application rates, wheat 2418
control
Cardamine parviflora, wheat 2418
Carduus nutans, pastures 4198
Coreopsis tinctoria, wheat 2418
Descurainia sophia, wheat 2418
Erysimum repandum, wheat 2418
Fallopia convolvulus, wheat 2418
Lamium amplexicaule, wheat 2418
Phenoxy herbicides *cont.*
control *cont.*
weeds 1055
economics, wheat 2418
residues
drinking water 1885, 3125
groundwater 1885, 3563, 3666
river water 3666
sewage 3563
soil 1055
surface water 3563
tap water 3563
resistance, *Carduus nutans* 4198
soil, *Rhizobium* 1055
toxicity
carcinogens 2735, 3151
man 2735, 3151, 4895
soil flora 1055
toxicology, man 597
water
biodegradation 3666
temperature 3666
yields, wheat 2418
Phenoxyacetic herbicides
analytical methods, biosensors 575
plant breeding, tolerance 666
resistance, *Matricaria perforata* 1759
Phenylether, 3-(*N,N*-diethyl carbamoyl)-phenyl-4′-nitro- 2794
Phenylurea herbicides
analytical methods
HPLC 2724
immunoassay 1873
thin layer chromatography 2305
chemistry, structure activity relationships 1142
chloroplasts
spinach 1142
wheat 1142
electron transfer
spinach 1142
wheat 1142
parenchyma, celery 1519
pH, celery 1519
phloem, celery 1519
photosynthesis
spinach 1142
wheat 1142
photosystem II
spinach 1142
wheat 1142
properties, heat stability 1864
residues
cereals 2724
drinking water 2305
fruit crops 2724
river water 4033
soil 2745
vegetables 2724
water 2305, 4877
soil, degradation 2745
uptake, celery 1519
Philippines
cowpeas 2645
herbicide residues, research 3132
herbicides
legislation 1734
mycoherbicides 3288
pineapples 2059
rice 470, 748, 1174, 2645, 4193
Cyperaceae 905
Echinochloa 905
Echinochloa crus-galli 3936
Ischaemum rugosum 905
Monochoria vaginalis 3936
Sesbania rostrata 470
soyabeans 2645
Sphenoclea zeylanica 4853
Vigna radiata 470, 2645
weed control
biological control 3993
integrated control 1734
mycoherbicides 3288
rice 1734
weeds, *Portulaca oleracea* 1440
Phleum
Sonchus arvensis
plant competition 3507
population dynamics 3507
Russia 3507
Phleum pratense
biology
carbon pathways 508
growth rate 508
photosynthesis 508
pollen 374, 5145
roots 508
transpiration 508
water relations 508
Canada 2454
control
chemical control 4195, 4752
physical control 3884
herbicides
adjuvants 4752
damage 2454
population dynamics 4195
residual effects 2454
yields 2454
Poland 297, 300, 5059
Stellaria media, Poland 296
Taraxacum officinale, Poland 298
toxicity
allergens 374, 827, 4716, 5145
man 374, 827, 5145
Urtica dioica, Poland 296
weed control
population dynamics 297-298
yields 298
Phlox glaberrima
Melilotus alba
distribution 951
habitats 951
population density 951
Potentilla arguta
distribution 951
habitats 951
population density 951
Solidago graminifolia
distribution 951
habitats 951
population density 951
USA 951
Phoenix dactylifera (*see* Dates)
Phoradendron
Juglans
host parasite relationships 2923
parenchyma 2923
water relations 2923
xylem 2923
Phoradendron juniperinum
biology
carbon 5158
gas exchange 5158
nitrogen 5158
nutrient uptake 5158
photosynthesis 5158
transpiration 5158
water relations 5158
ecology
nutrient availability 5158
nutrient uptake 5158
Juniperus osteosperma
fertilizers 5158
host parasite relationships 5158
USA 5158
xylem 5158
Phoradendron macrophyllum
biology, water relations 2923
ecology, host parasite relationships 2923
Phosphonamidates 4943
Phosphonate, trimethylsulfonium carboxymethylaminomethyl- 2036, 3796, 4179
Photinia fraseri
herbicides
application rates 1239-1240
damage 1239
growth rate 1239
surfactants 1240
tolerance 1239-1240
Phragmites
ecology
plant communities 2621
weed associations 2621
Phragmites australis
biology
amino acids 2568
biomass 2573
cellulose 2571
composition 4784

Phragmites australis *cont.*
biology *cont.*
energy content 2573
growth rate 3868
leaves 2571, 4784
light 4784
nitrogen 4784
nutrient uptake 4784
nutrients 4784
photosynthesis 4784
stems 3868
tillering 3868
tillers 3868
control
chemical control 3449
physical control 1313, 2527, 2568, 3449
ditch banks
species diversity 1313
UK 1313
ditches
species diversity 1313
UK 1313
drainage channels
species diversity 1313
UK 1313
ecology
bacteria 2571
colonizing ability 3868
decomposition 2571
distribution 2573
eutrophication 2568
flooding 3868
fungi 2571
habitats 3868
insects 2527
light 4784
litter 2571
nutrient uptake 4784
water flow 3868
herbicides
application rates 3449
wiper applicators 3449
hosts, insects 2527
lakes
Austria 2527
Japan 2571
Netherlands 3868
marshes, USA 3449
nature reserves, USA 3449
Netherlands 4784
utilization
fodder crops 2568
waste water treatment 5169
water reservoirs
population density 2568
temperature 2568
Phragmites communis *(see Phragmites australis)*
Phrygilanthus sonorae
Bursera hindsiana
host parasite relationships 3418
Mexico 3418
Bursera microphylla
host parasite relationships 3418
Mexico 3418
ecology, spread 3418
Phthalimide, *N*-(4-chloro-2-fluoro-5-propargyloxyphenyl)-3,4,5,6- 3216, 4113
Phthalimide, *N*-(4-chloro-2-fluoro-5-propargyloxyphenyl)-3,4,5,6-tetrahydro- 3208
Phyla nodiflora, South Africa 782
Phyllanthus, control, chemical control 5123
Phyllanthus niruri
control
chemical control 2464, 2501, 3278, 4629, 4631, 5040
cultural control 3278
integrated control 3278, 4631
physical control 2464, 2501, 3278, 4629, 4631, 5040
ecology
nutrient uptake 4797
plant competition 4797
temperature 4797
herbicides, nutrient uptake 5040
Pennisetum glaucum
control 4797
nutrient uptake 4797

Phyllanthus niruri *cont.*
Pennisetum glaucum cont.
plant competition 4797
rice
plant competition 4631
yields 4631
weed control, nutrient uptake 5040
Phyllanthus simplex
ecology
air pollution 3503
distribution 3503
plant communities 3503
population dynamics 3503
Physalis heterophylla
control
chemical control 287
integrated control 287
physical control 287
Physical control
animal power
weeds
groundnuts 787
maize 1602
crushing
Imperata cylindrica 2153
Pteridium aquilinum 3407
cutting
Acer pensylvanicum 361
Acer saccharum 361
Amyema miquelii
Eucalyptus blakelyi 2547
Eucalyptus melliodora 2547
Anthriscus sylvestris 2584
Betula, Picea abies 3839
Betula alleghaniensis 361
Buddleja japonica
Chamaecyparis obtusa 3840
Cryptomeria japonica 3840
Calamagrostis epigejos, grasslands 2034
Cirsium macrocephalum
grasslands 1620
pastures 1620
Clematis vitalba, Crataegus laevigata 1238
Eleocharis kuroguwai 1374
Juncus effusus, pastures 4633
Kalmia angustifolia 818
Lindera umbellata
Chamaecyparis obtusa 3840
Cryptomeria japonica 3840
Miscanthus sinensis
Chamaecyparis obtusa 3840
Cryptomeria japonica 3840
Orobanche cernua, tobacco 2801
Phragmites australis
lakes 2527
marshes 3449
nature reserves 3449
Plantago lanceolata 1432
Poa trivialis
Dactylis glomerata 1205
Festuca pratensis 1205
grasslands 1205
Lolium perenne 1205
Trifolium repens 1205
Prunus serotina 5133
Pteridium aquilinum 2537, 3407
heathlands 1249
raspberries, as weeds 361
Rubus
Abies balsamea 1906
Acer rubrum 1906
Betula alleghaniensis 1906
Betula papyrifera 1906
Picea rubens 1906
Tsuga canadensis 1906
Rubus microphyllus
Chamaecyparis obtusa 3840
Cryptomeria japonica 3840
Rubus parviflorus
forests 363
Picea glauca 805
Pinus contorta 805
Rubus spectabilis, forests 363
Rumex obtusifolius
Dactylis glomerata 1205
Festuca pratensis 1205
grasslands 1205
Lolium perenne 1205
Trifolium repens 1205

Physical control *cont.*
cutting *cont.*
Sorbus aucuparia, Picea abies 3839
Sorghum halepense, maize 3273
Stachytarpheta cayennensis 2902
Trapa natans, water reservoirs 1315
Tussilago farfara, fallow 3506
Urtica dioica 4353
Veratrum lobelianum
grasslands 1620
pastures 1620
weeds
Abies balsamea 1906
Acer rubrum 1906
Betula alleghaniensis 1906
Betula papyrifera 1906
Cynodon dactylon 3301
fallow 1996
forests 1890, 2090
Gliricidia sepium 3837
lucerne 756
Panicum maximum 3837
Picea abies 5121
Picea glauca 805
Picea rubens 1906
Pinopsida 3368-3370
Pinus contorta 805
Pinus elliottii 353
Pinus halepensis 5115
Pinus radiata 5116
Pinus taeda 353, 807
planting stock 5115
Populus 3836
power lines 3392
rights of way 3392
sugarcane 5095
Tsuga canadensis 1906
wheat 1996
woody weeds
forests 816
grasslands 5057
Picea abies 3839
Pinus echinata 808, 5118
Pinus taeda 808
digging
Chromolaena odorata 3952
Reseda lutea 3472
discing
Amaranthus palmeri, fallow 333
Amaranthus retroflexus, tomatoes 4659
Artemisia tridentata, rangelands 2390
Bromus tectorum, rangelands 2390
Capsella bursa-pastoris, Coriandrum sativum 4252
Chenopodium album, Coriandrum sativum 4252
Convolvulus arvensis, Coriandrum sativum 4252
Festuca arundinacea
sorghum 2032
sorghum × *Sorghum sudanense* 2032
soyabeans 2032
Kochia scoparia, fallow 333
Lamium purpureum, Coriandrum sativum 4252
Panicum maximum
Eucalyptus torelliana 340
maize 340
Setaria faberi, tomatoes 4659
Taeniatherum caput-medusae, rangelands 2390
weeds
Coriandrum sativum 4252
cotton 798
Cucurbita moschata 3339
fallow 333, 1986
Gliricidia sepium 3837
grapes 1224
maize 284, 3265
Panicum maximum 3837
pecans 2060
Pinus radiata 348, 5116
soyabeans 3265, 3309
squashes 3339
sugarbeet 2077
tomatoes 4659
wheat 730, 732, 3265

Physical control *cont.*
earthing up
Acanthospermum hispidum
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
tomatoes 4604
Ageratum conyzoides, potatoes 4650
Amaranthus viridis, potatoes 3322
Ambrosia artemisiifolia, potatoes 4651
Anagallis arvensis, potatoes 4650
Chenopodium album, potatoes 3326, 4650
Cleome monophylla, potatoes 3322
Commelina benghalensis, potatoes 3322
Coronopus didymus, potatoes 3326
Cosmos bipinnatus, potatoes 4651
Cynodon dactylon
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
potatoes 4650-4651
radishes 4604
tomatoes 4604
Cyperus iria
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
tomatoes 4604
Cyperus rotundus
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
potatoes 3322, 3326, 4650-4651
radishes 4604
tomatoes 4604
Digitaria cruciata, potatoes 4651
Digitaria marginata, potatoes 3322
Echinochloa colonum, potatoes 3322, 4651
Euphorbia
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
tomatoes 4604
Fagopyrum cymosum, potatoes 4651
Fumaria parviflora, potatoes 4650
Geranium nepalense, potatoes 4651
Gnaphalium indicum, potatoes 4650
Gnaphalium luteo-album, potatoes 4651
Lagascea mollis
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
tomatoes 4604
Melilotus alba, potatoes 4650
Melilotus indica, potatoes 3326
Mollugo pentaphylla
Amaranthus 4604
beetroots 4604

Physical control *cont.*
earthing up *cont.*
Mollugo pentaphylla cont.
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
tomatoes 4604
Oxalis corniculata, potatoes 4650
Poa annua, potatoes 3326
Portulaca oleracea
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
tomatoes 4604
Rumex, potatoes 3326
Solanum khasianum, potatoes 3322
Solanum nigrum, potatoes 4650
Spergula arvensis, potatoes 3326, 4651
weeds
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
garlic 3333
groundnuts 2881
okras 4604
peas 4604
Pennisetum glaucum 745
Phaseolus 4604
potatoes 2048, 2481-2482
radishes 4604
tomatoes 4604
electrical weed control
weeds
beetroots 3723
cabbages 3723
carrots 3723
flame cultivators
Amaranthus retroflexus
Capsicum 3718
maize 3718
onions 3718
soyabeans 3718
sunflowers 3718
Cassinia arcuata 1669
Chenopodium album 3884
Capsicum 3718
fodder beet 3808
maize 3718
onions 3718, 3808
soyabeans 3718
sunflowers 3718
Digitaria sanguinalis
Capsicum 3718
maize 3718
onions 3718
soyabeans 3718
sunflowers 3718
Echinochloa crus-galli
Capsicum 3718
maize 3718
onions 3718
soyabeans 3718
sunflowers 3718
Matricaria perforata 3884
Phleum pratense 3884
Portulaca oleracea
Capsicum 3718
maize 3718
onions 3718
soyabeans 3718
sunflowers 3718
Sinapis alba 1580, 3721
Sinapis arvensis
fodder beet 3808
onions 3808
Solanum nigrum
Capsicum 3718
maize 3718
onions 3718
soyabeans 3718
sunflowers 3718

Physical control *cont.*
flame cultivators *cont.*
Stellaria media
fodder beet 3808
onions 3808
weeds 3721, 4141, 4156, 4989, 5184
Anethum graveolens 5126
cabbages 3720
carrots 3722, 4987
Coriandrum sativum 5126
fodder beet 3720
Gladiolus 359
lawns and turf 3721
leeks 4987
maize 3277, 3720, 3722, 4987
onions 3720, 3722, 4988, 5081
parsley 4987, 5126
small fruits 4987
tree fruits 4987
vegetables 4149
freezing
Sinapis alba 3721
weeds 3721
lawns and turf 3721
girdling
Acer rubrum, Pinus taeda 351
Carya, Pinus taeda 351
Cornus florida, Pinus taeda 351
Diospyros virginiana, Pinus taeda 351
Liquidambar styraciflua, Pinus taeda 351
Nyssa sylvatica, Pinus taeda 351
Quercus, Pinus taeda 351
grubbing
Capsella bursa-pastoris, Coriandrum sativum 4252
Chenopodium album, Coriandrum sativum 4252
Convolvulus arvensis, Coriandrum sativum 4252
Lamium purpureum, Coriandrum sativum 4252
tea, as weeds, tea 3829
weeds, *Coriandrum sativum* 4252
harrowing
Amaranthus retroflexus, tomatoes 4659
Apera spica-venti
barley 3262
cereals 262
triticale 3262
wheat 262, 3262
Artemisia tridentata, rangelands 2390
Avena fatua, wheat 269, 4170
Bromus tectorum, rangelands 2390
Capsella bursa-pastoris, Coriandrum sativum 4252
Chenopodium album
Coriandrum sativum 4252
wheat 3261
Convolvulus arvensis, Coriandrum sativum 4252
Elymus repens
cereals 262
sugarbeet 2071-2072
wheat 262
Equisetum arvense, wheat 269
Fallopia convolvulus, wheat 269
Galeopsis tetrahit, wheat 269
Galium aparine
barley 3262
cereals 3253
triticale 3262
wheat 3262
Hordeum jubatum, wheat 269
Lamium purpureum, Coriandrum sativum 4252
Polygonum aviculare, wheat 3261
Polygonum lapathifolium, wheat 269
Rosa, wheat 269
Rottboellia cochinchinensis
maize 286
Phaseolus 286
Senecio vulgaris, wheat 269
Setaria faberi, tomatoes 4659
Sinapis arvensis, wheat 3261
Sorghum halepense, wheat 3261
Taeniatherum caput-medusae, rangelands 2390
Taraxacum officinale, wheat 269

Physical control *cont.*
harrowing *cont.*
Thlaspi arvense, wheat 269
weeds 1317, 1719, 3883, 4156, 4986, 5017
barley 3262, 3756, 3761, 5027
cereals 262, 3253, 3716, 3751, 3756, 4176, 5020-5021
Coriandrum sativum 4252
cotton 798
cowpeas 1629
grain legumes 3751
lentils 3317
maize 3773, 5020
Miscanthus sinensis 2099
oats 3761, 4140, 4175
oranges 4669
peas 3317, 5020, 5027
Pennisetum glaucum 745
potatoes 3241
rape 3352
rye 3716
sugarbeet 1655, 1657
sunflowers 1657
tomatoes 4659
triticale 3262, 3769, 5029, 5032-5033
wheat 262, 732, 3261-3262, 3716, 3761, 5027
heat treatment, *Ocimum basilicum* 3719
hilling, weeds, sunflowers 2499
hoeing
Acer saccharinum, Pinopsida 4693
Ageratum conyzoides, rice 4186
Amaranthus, sour oranges 2058
Amaranthus palmeri, fallow 333
Amaranthus retroflexus
Capsicum 3718
maize 2006, 3718
onions 3718
soyabeans 3718
sunflowers 3718
Amaranthus viridis, Pennisetum glaucum 5040
Ammi majus, sunflowers 1394
Anagallis arvensis
chickpeas 764
sugarcane 4165
wheat 4165
Borreria articularis, rice 4186
Brachiaria plantaginea, soyabeans 4645
Capsella bursa-pastoris
Coriandrum sativum 4252
sour oranges 2058
Cercis canadensis, Pinopsida 4693
Chenopodium album
Capsicum 3718
chickpeas 764
Coriandrum sativum 4252
maize 2006, 3718
onions 3718
soyabeans 3718
sugarcane 4165
sunflowers 1394, 3718
wheat 3261, 4165
Convolvulus arvensis 2411
Coriandrum sativum 4252
sour oranges 2058
cress
as weeds
sugarcane 4165
wheat 4165
Cynodon dactylon
rice 4186
sour oranges 2058
Cyperus rotundus
Pennisetum glaucum 5040
rice 4186
sour oranges 2058
Digera arvensis, Pennisetum glaucum 5040
Digitaria ciliaris
rice 4186
sour oranges 2058
Digitaria sanguinalis
Capsicum 3718
maize 3718
onions 3718
soyabeans 3718
sunflowers 3718

Physical control *cont.*
hoeing *cont.*
Echinochloa colonum, Pennisetum glaucum 5040
Echinochloa crus-galli 2411
Capsicum 3718
maize 2006, 3718
onions 3718
sour oranges 2058
soyabeans 3718
sunflowers 3718
Elaeagnus angustifolia, Pinopsida 4693
Eleusine indica, rice 4186
Fraxinus pennsylvanica, Pinopsida 4693
Gleditsia triacanthos, Pinopsida 4693
Ipomoea, cotton 3830
Juglans nigra, Pinopsida 4693
Kochia scoparia, fallow 333
Lamium purpureum, Coriandrum sativum 4252
Lonicera, Pinopsida 4693
Medicago denticulata
sugarcane 4165
wheat 4165
Melilotus indica
sugarcane 4165
wheat 4165
Melinis repens
cassava 2825
Eleusine coracana 2825
groundnuts 2825
maize 2825
Phalaris minor
chickpeas 764
sugarcane 4165
wheat 4165
Phyllanthus niruri, Pennisetum glaucum 5040
Polygonum aviculare, wheat 3261
Polygonum lapathifolium, maize 2006
Portulaca oleracea
Capsicum 3718
maize 3718
onions 3718
sour oranges 2058
soyabeans 3718
sunflowers 3718
potatoes, as weeds 5101
Proboscidea louisianica, cotton 3830
Raphanus raphanistrum 3034
Robinia pseudoacacia, Pinopsida 4693
Rumex dentatus, chickpeas 764
Setaria pumila
maize 2006
rice 4186
Setaria viridis
Phaseolus vulgaris 310
sour oranges 2058
Silene conoidea
sugarcane 4165
wheat 4165
Sinapis arvensis
sunflowers 1394
wheat 3261
Solanum 2411
Solanum nigrum
Capsicum 3718
maize 3718
onions 3718
sour oranges 2058
soyabeans 3718
sunflowers 3718
Sorghum halepense
cotton 4236
wheat 3261
Thuja occidentalis, Pinopsida 4693
Trianthema portulacastrum, Pennisetum glaucum 5040
Ulmus pumila, Pinopsida 4693
Vicia sativa, chickpeas 764
weeds 3715, 3717, 3735, 5017
aubergines 3332
Capsicum 3332
Capsicum annuum 774
carrots 3327
cassava 2825
cereals 3716, 3751, 5020-5021
Coriandrum sativum 4252

Physical control *cont.*
hoeing *cont.*
weeds *cont.*
cotton 2083, 2874, 3830
cowpeas 2047, 2083
Eleusine coracana 2825
faba beans 759
fallow 333
Gliricidia sepium 3837
grain legumes 3751
groundnuts 2825
Indian mustard 3822
lawns and turf 1243
lentils 3317
maize 743, 1602, 2825, 3265, 3776, 4368, 5020
onions 3332
Panicum maximum 3837
peas 3317, 5020
Pennisetum glaucum 745
Phaseolus vulgaris 310
Pinus radiata 348, 5116
pomegranates 3347-3350
potatoes 3241
rape 3773
raspberries 1639
rice 4186
rye 3716
sesame 3820
sorghum 5038
soyabeans 2467, 2850, 3265, 4206
sugarbeet 1656, 4587
sugarcane 1651, 2067, 2884
sunflowers 2499, 2874, 4231
tomatoes 3332
wheat 3261, 3265, 3716
infrared radiation
weeds
Gladiolus 359
tree fruits 4660
interrow cultivation
Abutilon theophrasti, maize 2431
Amaranthus retroflexus, maize 2006
Chenopodium album
maize 2006, 2431
rice 4185
Cyperus rotundus, rice 4185
Echinochloa colonum, rice 4185
Echinochloa crus-galli
maize 2006
rice 4185
Pharbitis hederacea, cotton 2516
Polygonum lapathifolium, maize 2006
Setaria faberi, maize 2431
Setaria pumila, maize 2006
Setaria viridis, maize 3269
Sicyos 2507
weeds 1980, 2408, 4156
carrots 3327
cotton 798
grapes 1969
groundnuts 2882, 3356
Indian mustard 2066
maize 2000, 2010, 3265, 3277
olives 2879
orchards 1969
pigeon peas 3319, 4213
pome fruits 2054
rice 3782, 4185
soyabeans 3265
sugarbeet 1657, 4587
sunflowers 1657, 5090
tree fruits 1969
vegetables 3249
wheat 3265
manual weed control
Acacia melanoxylon 4240
Acanthospermum hispidum
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
tomatoes 4604
Acer macrophyllum, Pseudotsuga menziesii 2520

Physical control *cont.*
manual weed control *cont.*
Ageratum conyzoides
groundnuts 4232
potatoes 4650
rice 4184, 4186, 4631
soyabeans 3799, 4205
Amaranthus retroflexus
sugarbeet 2076
tomatoes 4659
Amaranthus viridis
groundnuts 4232
Pennisetum glaucum 5040
potatoes 3322
rice 4631
Ambrosia artemisiifolia
potatoes 4651
soyabeans 2469
Ammannia baccifera, rice 4629
Anagallis arvensis
chickpeas 764
Indian mustard 4233
potatoes 4650
wheat 1211, 4166
aquatic weeds, rice 2028
Asphodelus tenuifolius, Plantago ovata 2524
Avena fatua, wheat 4166
Borreria articularis
rice 4186
soyabeans 3799
Celosia argentea
groundnuts 4232
soyabeans 4205
Cerastium glomeratum, lucerne 2460
Chenopodium album
chickpeas 764
fodder beet 3808
Indian mustard 4233
onions 3808
Plantago ovata 2524
potatoes 3326, 4650
rice 4185
wheat 1211, 2817, 4166
Chenopodium ambrosioides, rice 4184
Chenopodium murale, Plantago ovata 2524
chicory, as weeds, Indian mustard 4233
Cirsium arvense, wheat 4166
Cleome monophylla, potatoes 3322
Cleome viscosa
groundnuts 2501
rice 2026
Commelina benghalensis 3887
potatoes 3322
sesame 3821
sorghum 3278
Convolvulus arvensis
guavas 3351
mandarins 3346
Coronopus didymus
lucerne 2460
potatoes 3326
Cosmos bipinnatus, potatoes 4651
Cupressus lusitanica 4240
Cupressus macrocarpa 4240
Cynodon dactylon
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
groundnuts 2501
guavas 3351
Indian mustard 4233
jute 3363
mandarins 3346
okras 4604
peas 4604
Phaseolus 4604
Plantago ovata 2524
potatoes 4650-4651
radishes 4604
rice 2026, 4186, 4629, 4631
sesame 3821
soyabeans 2464, 3799
tomatoes 4604
Cyperaceae, rice 905

Physical control *cont.*
manual weed control *cont.*
Cyperus difformis
rice 1609, 3292, 4191, 4193, 4629, 5048
Vigna radiata 3292
Cyperus iria
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
groundnuts 4232
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
rice 4184, 4191, 4630, 5048
soyabeans 1211
tomatoes 4604
Cyperus rotundus
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
groundnuts 2501, 4232
guavas 3351
Indian mustard 4233
jute 3363
mandarins 3346
okras 4604
peas 4604
Pennisetum glaucum 5040
Phaseolus 4604
Plantago ovata 2524
potatoes 3322, 3326, 4650-4651
radishes 4604
rice 2026, 3788, 4184-4186, 4629, 4631
sesame 3821
sorghum 3278
soyabeans 2464, 3799
tomatoes 4604
wheat 727
Dactyloctenium aegyptium
sorghum 3278
soyabeans 3799
Digera arvensis
groundnuts 2501
Pennisetum glaucum 5040
sesame 3821
sorghum 3278
soyabeans 2464
Digitaria ciliaris
Indian mustard 4233
rice 4186
soyabeans 3799
Digitaria cruciata, potatoes 4651
Digitaria debilis, rice 1609
Digitaria marginata, potatoes 3322
Digitaria sanguinalis, rice 4629
Echinochloa
rice 905, 4630
sesame 3821
soyabeans 4205
Echinochloa colonum
groundnuts 4232
jute 3363
Pennisetum glaucum 5040
potatoes 3322, 4651
rice 4184-4185, 4191, 4629, 5048
sorghum 3278
soyabeans 1211, 2464
Echinochloa crus-galli
groundnuts 3355
rice 2020, 2026, 2028, 3292, 3786, 3788, 4185, 4191, 4193, 4629, 5048
Vigna radiata 3292
Echinochloa glabrescens
rice 3292
Vigna radiata 3292
Eclipta
rice 3292
Vigna radiata 3292
Eclipta alba
rice 3786
soyabeans 1211
Eclipta prostrata, rice 4629
Eleusine indica
groundnuts 2501, 4232
rice 4186

Physical control *cont.*
manual weed control *cont.*
Eleusine indica cont.
sorghum 3278
Erigeron linifolius, rice 4184
Eucalyptus fastigata 4240
Eupatorium trapezoideum 3455
Euphorbia
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
tomatoes 4604
Euphorbia hirta
groundnuts 2501
guavas 3351
jute 3363
mandarins 3346
rice 2026
Euphorbia prostrata
rice 3292
Vigna radiata 3292
Fagopyrum cymosum, potatoes 4651
Fimbristylis miliacea, rice 4629-4630
Fumaria parviflora, potatoes 4650
Geranium nepalense, potatoes 4651
Gnaphalium indicum, potatoes 4650
Gnaphalium luteo-album, potatoes 4651
Imperata cylindrica, rice 4184
Ischaemum rugosum, rice 905
Lagascea mollis
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
tomatoes 4604
Lantana camara 1677
Lathyrus aphaca, wheat 2817
Leptochloa caerulescens, rice 1609
Leptochloa chinensis, rice 4191, 5048
Leucas aspera, rice 4631
Lippia nodiflora, rice 4629
Ludwigia, rice 1609
Ludwigia adscendens, rice 4191, 5048
Ludwigia parviflora, rice 4629
Marsilea quadrifolia, rice 4191, 5048
Medicago polymorpha
Indian mustard 4233
wheat 727, 1211
Melilotus
Plantago ovata 2524
wheat 727
Melilotus alba
Indian mustard 4233
potatoes 4650
Melilotus indica
potatoes 3326
wheat 2817, 4166
Mimosa pudica, rice 4631
Mollugo pentaphylla
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
tomatoes 4604
Monochoria vaginalis
rice 3292, 4193, 4630, 5048
Vigna radiata 3292
Orobanche 2967, 2982
Orobanche cernua, tobacco 2890
Oxalis corniculata, potatoes 4650
Panicum, soyabeans 3799, 4205
Panicum ramosum, rice 4631
Panicum repens, rice 4191
Paspalum dilatatum, groundnuts 4232
Paspalum distichum
Indian mustard 4233

Physical control *cont.*
manual weed control *cont.*
Paspalum distichum cont.
rice 3292, 4193
Vigna radiata 3292
Phalaris minor
chickpeas 764
Indian mustard 4233
wheat 727, 1211, 2817, 4166
Pharbitis hederacea, cotton 2516
Phyllanthus niruri
groundnuts 2501
Pennisetum glaucum 5040
rice 4629, 4631
sesame 3821
sorghum 3278
soyabeans 2464
Physalis minima, sesame 3821
Pinus radiata 4240
Plantago major, rice 4184
planting stock 4240
Poa annua
lucerne 2460
potatoes 3326
Poaceae
chickpeas 4648
lentils 4648
sugarbeet 2076
Portulaca oleracea
Amaranthus 4604
beetroots 4604
cabbages 4604
cauliflowers 4604
Indian mustard 4233
okras 4604
peas 4604
Phaseolus 4604
radishes 4604
sorghum 3278
tomatoes 4604
Raphanus raphanistrum 3034
Reseda lutea 3472
Rottboellia cochinchinensis, fallow 286
Rumex, potatoes 3326
Rumex dentatus
chickpeas 764
Indian mustard 4233
Rumex obtusifolius, lucerne 2460
Scirpus, rice 4630
Setaria faberi, tomatoes 4659
Setaria pumila
groundnuts 4232
rice 4186
Setaria viridis, Phaseolus vulgaris 310
Sinapis arvensis
fodder beet 3808
onions 3808
Solanum khasianum, potatoes 3322
Solanum nigrum, potatoes 4650
Sonchus arvensis, guavas 3351
Sorghum halepense
guavas 3351
maize 3270, 4181
mandarins 3346
Spergula arvensis
Indian mustard 4233
potatoes 3326, 4651
rice 4184
Sphenoclea zeylanica, rice 1609
Stellaria media
fodder beet 3808
onions 3808
Striga hermonthica
maize 2827-2828
sorghum 1606
Taraxacum officinale, lucerne 2460
Trianthema portulacastrum
groundnuts 3355, 4232
Pennisetum glaucum 5040
sorghum 3278
Trichodesma indicum, soyabeans 3799
Trifolium fragiferum
Indian mustard 4233
wheat 727
Trifolium repens, lucerne 2460
Vicia sativa
chickpeas 764
wheat 2817

Physical control *cont.*
manual weed control *cont.*
weeds 1317, 4156
Amaranthus 4604
apples 2055, 4661
aubergines 773, 2410
barley 1980
beetroots 2410, 4604
Brassica 50
broccoli 2410
Brussels sprouts 2410
buckwheat 50
cabbages 2410, 4219, 4604
Capsicum 2410
Capsicum annuum 1638
carrots 2410
cauliflowers 2410, 4604
cereals 50
chickpeas 762-763, 4648
chicory 5083
coffee 1961
cotton 2874
cowpeas 2410
cucumbers 2410
fenugreek 2526
field crops 3737
Fraxinus ornus 5112
garlic 2049, 2410
grasslands 50
groundnuts 787, 1646, 2064, 2762, 2882, 3354, 3356, 5092
guar 2410
horticultural crops 721
Indian mustard 2065-2066, 3358, 3822, 4233, 5093
jute 2088
kohlrabi 2410
lawns and turf 1243
lentils 4648
linseed 2873
Lupinus albus 2463
maize 50, 740, 743, 1602, 1980, 1999-2000, 2822, 4368
melons 2410
okras 2410, 4604
onions 2410
ornamental plants 3374
ornamental woody plants 3374
peas 2041, 2410, 2474, 4604
Pennisetum glaucum 3781
Phaseolus 1980, 4604
Phaseolus vulgaris 310, 2410
pigeon peas 765, 2042-2044, 2762, 3319-3320, 4213-4214
Pinopsida 3367, 5114
Pinus halepensis 5115
Pinus radiata 348, 5116
Pinus taeda 349
Plantago ovata 3386
planting stock 5115
potatoes 50, 2048, 2481-2482
power lines 3392
pumpkins 2410
Quercus pubescens 5112
radishes 2410, 4604
raspberries 1639
rice 50, 747, 2017, 2021, 2023, 2025, 2028, 2440-2441, 2841, 2843, 3291, 3293, 3295-3296, 3782, 3786-3787, 4184-4186, 4191, 4629-4631, 5041-5042, 5048, 5053
rights of way 3392
sesame 2064, 3821, 4938
sorghum 5038
soyabeans 740, 758, 1213, 1980, 2467, 2848, 2850, 4205-4206, 5065
squashes 2410
sugarbeet 1653, 2076, 3238
sugarcane 1230, 2067, 2883
sunflowers 1980, 2499, 2762, 2874, 3819, 5090
sweet potatoes 3328, 4653
tomatoes 2410, 4604, 4659
turnips 2410
vegetables 2410, 4153
Vigna radiata 765-766, 2478, 3320, 5072-5073

Physical control *cont.*
manual weed control *cont.*
weeds *cont.*
wheat 1980, 2818-2819, 3257, 3760, 4166-4167, 5024-5025
woody weeds, Pinopsida 346
mechanization
Acer rubrum, Pinus taeda 351
Acroptilon repens 3033
Aethusa cynapium, wheat 272
Amaranthus retroflexus
maize 903
soyabeans 903
Ambrosia artemisiifolia, maize 287
Apera spica-venti
cereals 262
wheat 262
Asclepias syriaca, maize 287
Carya, Pinus taeda 351
Chenopodium album
maize 287, 903
soyabeans 903
Cornus florida, Pinus taeda 351
Cuscuta 843
Cytisus scoparius 819
Diospyros virginiana, Pinus taeda 351
Elymus repens
cereals 262
maize 287, 4178
wheat 262
Imperata cylindrica, plantation crops 3739
Liquidambar styraciflua, Pinus taeda 351
Lolium perenne
grasslands 1618
seed crops 1618
Miscanthus ogiformis 4199
Nyssa sylvatica, Pinus taeda 351
Opuntia polyacantha 1173
Physalis heterophylla, maize 287
Plantago lanceolata 1432
Polygonum pensylvanicum, maize 287
Pteridophyta, plantation crops 3739
Quercus, Pinus taeda 351
rice, as weeds, rice 2439
Setaria
maize 903
soyabeans 903
Setaria pumila, maize 287
Sicyos 2507
Veronica hederifolia, wheat 272
weeds 2408, 3717, 3738, 3743, 3749, 4601, 5017
apples 3342
buckwheat 294
cabbages 4219
carrots 3807
cereals 261-262, 3716, 5020
coffee 1659, 2080, 2512
cotton 3831
fallow 1664
fodder beet 4612
grasslands 4612, 4635
horticultural crops 721
maize 3277, 4612, 5020, 5035
oats 4612
onions 3807
oranges 4669
peas 5020
Phaseolus vulgaris 760
Pinopsida 3367-3370
Pinus radiata 348
plantation crops 3739
power lines 3392
raspberries 1639
rice 2017, 3290, 3296, 5049-5050
rights of way 3392
rye 3716
seed crops 4635
soyabeans 3310
sugarbeet 3525, 3807
sunflowers 2499
vegetables 4149
wheat 262, 3716, 4612
woody weeds, plantation crops 3739
minimum tillage
Abutilon theophrasti, soyabeans 3794
Amaranthus, soyabeans 3794

Physical control *cont.*
minimum tillage *cont.*
Amaranthus retroflexus
flax 277
lentils 277
rape 277
tomatoes 4659
wheat 277
Avena, sorghum 1795
Avena fatua, wheat 269
Bromus diandrus 2580
Bromus tectorum
flax 277
lentils 277
rape 277
wheat 277
Chenopodium album
flax 277
lentils 277
rape 277
soyabeans 3794
wheat 277
Chloris gayana, sorghum 1795
Convolvulus arvensis, sorghum 1795
Cyperus esculentus, groundnuts 4679
Descurainia sophia
flax 277
lentils 277
rape 277
wheat 277
Desmodium tortuosum, groundnuts 4679
Dichanthium sericeum, sorghum 1795
Echinochloa, sorghum 1795
Elymus repens, maize 3779
Equisetum arvense, wheat 269
Eragrostis cilianensis, sorghum 1795
Fallopia convolvulus
flax 277
lentils 277
rape 277
wheat 269, 277
Galeopsis tetrahit, wheat 269
Galium tricorne 2580
Hordeum jubatum, wheat 269
Panicum decompositum, sorghum 1795
Panicum texanum, groundnuts 4679
Polygonum lapathifolium, wheat 269
Portulaca oleracea, sorghum 1795
Rosa, wheat 269
Salsola iberica
flax 277
lentils 277
rape 277
wheat 277
Senecio vulgaris, wheat 269
Setaria faberi, tomatoes 4659
Sonchus arvensis
flax 277
lentils 277
rape 277
wheat 277
Sonchus oleraceus, sorghum 1795
Taraxacum officinale
flax 277
lentils 277
rape 277
wheat 269, 277
Thlaspi arvense
flax 277
lentils 277
rape 277
wheat 269, 277
Tribulus, sorghum 1795
Urochloa panicoides, sorghum 1795
weeds 718, 900, 2579, 3466
barley 2821
cotton 798, 3832
fallow 270
fruit crops 428
groundnuts 786-787, 4679
maize 3265, 3776, 3779
olives 2879
rape 2821
sorghum 1795
soyabeans 3265, 3794
tomatoes 4659
wheat 3265
Xanthium spinosum, sorghum 1795
mounds, weeds, *Picea abies* 5121

Physical control *cont.*
mowing
Agropyron desertorum
Agropyron desertorum 2459
pastures 2459
Alopecurus geniculatus 1722
Amaranthus hybridus 3389
Amaranthus retroflexus, tomatoes 4659
Anthriscus sylvestris 2584
aquatic weeds
ditch banks 1313
ditches 1313
drainage channels 1313
Capsella bursa-pastoris, Trifolium repens 4639
Cerastium glomeratum, Lolium perenne 4637
Chenopodium album 3389
Cirsium arvense 1783
Cirsium macrocephalum
grasslands 1620
pastures 1620
Convolvulus arvensis 2411
Cyperus esculentus 3389
Digitaria ciliaris, Lolium perenne 4637
Echinochloa crus-galli 2411
Erigeron sumatrensis, Trifolium repens 4639
Eupatorium capillifolium 1725
Hydrocotyle, Lolium perenne 4637
Imperata cylindrica 2153
Lolium multiflorum, Trifolium repens 4639
Oxalis stricta 3389
Persicaria longiseta, Lolium perenne 4637
Phragmites australis
ditch banks 1313
ditches 1313
drainage channels 1313
marshes 3449
nature reserves 3449
water reservoirs 2568
Poa annua 1722
Poa pratensis, Lolium perenne 4637
Rumex, Trifolium repens 4639
rye, as weeds 4659
Setaria faberi, tomatoes 4659
Solanum 2411
Sparganium erectum
ditch banks 1313
ditches 1313
drainage channels 1313
Stachytarpheta cayennensis 2902
Taraxacum officinale 3389
Veratrum lobelianum
grasslands 1620
pastures 1620
Vicia villosa, maize 2430
weeds
Cucurbita moschata 3339
dunes 2103
fallow 2216
grapes 1224
grasslands 5057
heathlands 2103
lawns and turf 1243
Lolium perenne 4637
Picea abies 5121
squashes 3339
strawberries 4226
tomatoes 4659
Trifolium 5064
woody weeds
dunes 2103
heathlands 2103
Pinus echinata 808
Pinus taeda 808
mulching
Agrostis capillaris, Pinus sylvestris 4246
Amaranthus retroflexus
soyabeans 1624
tomatoes 4659
bamboos, as weeds, forests 432
Calamagrostis arundinacea, Pinus sylvestris 4246
Chamerion angustifolium, Pinus sylvestris 4246

Physical control *cont.*
mulching *cont.*
Chenopodium album, soyabeans 1624
Cyperus rotundus 5179
Deschampsia flexuosa, Pinus sylvestris 4246
Festuca ovina, Pinus sylvestris 4246
Lolium perenne 2581
maize
as weeds
meadows 3387
wild flowers 3387
Orobanche aegyptiaca 2964
Panicum dichotomiflorum, maize 2430
Poaceae, forests 432
Prunus serotina 5133
Pteridium aquilinum, Pinus sylvestris 4246
Raphanus raphanistrum 3034
Senecio 4723
Senecio lautus 4723
Senecio madagascariensis 4723
Setaria faberi, tomatoes 4659
weeds 1317, 4990, 5179
almonds 4663, 5087
apples 3342, 3813, 4222, 4661, 4992, 5085-5086
apricots 4663, 5086-5087
bananas 249
cabbages 4219
Capsicum frutescens 1218
carrots 767
cauliflowers 4219
cherries 1221
container grown plants 2379
cowpeas 283, 742, 1629
Cucurbita moschata 3339
culinary herbs 4251
Foeniculum vulgare 3336
forests 432
Fraxinus americana 2347
Fraxinus ornus 5112
grapes 5087, 5089
Juglans cinerea 2347
lawns and turf 1243
lemons 3817
lettuces 767, 3335, 3810, 4657
maize 283-284, 742, 2429-2430
marrows 767
Ocimum basilicum 813
okras 1219
olives 5087
ornamental plants 2379, 3374
ornamental woody plants 3374
peaches 4663, 5087
Pennisetum glaucum 5039
Pinus sylvestris 4246
planting stock 2379
pome fruits 2054
potatoes 2480, 4215
Quercus macrocarpa 2347
Quercus pubescens 5112
raspberries 4665
soyabeans 1624, 2429
squashes 3339
strawberries 4226
sugarcane 2067
sunflowers 2499, 4231
tobacco 797
tomatoes 316, 4659
tree fruits 4660
vegetables 4149, 4153
wheat
as weeds
meadows 3387
wild flowers 3387
ploughing
Amaranthus retroflexus 2583
tomatoes 4659
Apera spica-venti
cereals 262
wheat 262
Apocynum cannabinum
maize 285
soyabeans 285
Artemisia tridentata, rangelands 2390
Bromus, cereals 1404
Bromus tectorum
rangelands 2390
wheat 4375

Physical control *cont.*
ploughing *cont.*
Chenopodium album 2583
Convolvulus arvensis
maize 285
soyabeans 285
Cytisus multiflorus 2162
Cytisus striatus 2162
Elymus repens
cereals 262
maize 1600
soyabeans 1600
wheat 262
Fallopia convolvulus 2583
Orobanche cernua, tobacco 2890
Paspalum distichum 2583
Polygonum aviculare 2583
potatoes, as weeds 5101
Pteridium aquilinum 3407
Rottboellia cochinchinensis
maize 286
Phaseolus 286
Setaria faberi, tomatoes 4659
Taeniatherum caput-medusae, rangelands 2390
Teucrium canadense
maize 285
soyabeans 285
weeds 900, 2579
barley 1994, 3767, 5027
cereals 261-262
cotton 798
cowpeas 1629
Cucurbita moschata 3339
dunes 2103
fallow 270, 1986
fodder beet 4612
Gliricidia sepium 3837
grasslands 4612
groundnuts 787
heathlands 2103
linseed 321
maize 270, 284, 743, 1602, 3166, 3265, 4612
oats 4612
olives 2879
oranges 4669
Panicum maximum 3837
peas 5027
rice 2023, 3782, 5042
rye 3767
sorghum 729
soyabeans 3265, 3309
squashes 3339
sugarbeet 1655-1656, 1994, 2077
sugarcane 2884
tomatoes 4659
wheat 262, 729-730, 1994, 3265, 4612, 5027
woody weeds
dunes 2103
heathlands 2103
Xanthium spinosum 2583
ridging
weeds
culinary herbs 4251
groundnuts 787
maize 2429, 3166, 3773
Pennisetum glaucum 745
potatoes 3241, 3325
soyabeans 2429
rolling, weeds, maize 3776
rotary cultivation
Anagallis arvensis, wheat 1211
Artemisia tridentata, rangelands 2390
Bromus tectorum, rangelands 2390
Capsella bursa-pastoris, Coriandrum sativum 4252
Chenopodium album
Coriandrum sativum 4252
wheat 1211
Convolvulus arvensis, Coriandrum sativum 4252
Cyperus iria, soyabeans 1211
Echinochloa colonum, soyabeans 1211
Eclipta alba, soyabeans 1211
Lamium purpureum, Coriandrum sativum 4252
Medicago polymorpha, wheat 1211
Phalaris minor, wheat 1211

Physical control *cont.*
rotary cultivation *cont.*
Taeniatherum caput-medusae, rangelands 2390
weeds 900, 3735
Coriandrum sativum 4252
fallow 1986
Gliricidia sepium 3837
maize 3776
Panicum maximum 3837
slashing
Raphanus raphanistrum 3034
Senecio 4723
Senecio lautus 4723
Senecio madagascariensis 4723
weeds, maize 743
soil heating, weeds, apples 4992
soil solarization
Amaranthus retroflexus 2583
Chenopodium album 2583
Cuscuta, forests 3892
Cyperus rotundus 2582
lettuces 771
Fallopia convolvulus 2583
Orobanche 2967, 2977
forests 3892
Orobanche cernua 2963
parasitic weeds, forests 3892
Paspalum distichum 2583
Polygonum aviculare 2583
Striga 2125
forests 3892
Tapinanthus, forests 3892
weeds 900, 902, 1981, 2152, 4751, 4991
almonds 5087
apricots 5087
carrots 5016
culinary herbs 3385
grapes 5087
lettuces 771, 5016
olives 5087
onions 5016
peaches 5087
strawberries 5088
Xanthium spinosum 2583
soil sterilization
Cuscuta, forests 3892
Orobanche, forests 3892
parasitic weeds, forests 3892
Striga, forests 3892
Tapinanthus, forests 3892
weeds 717
chicory 4220
lettuces 4657
solar radiation, *Raphanus raphanistrum* 3034
steam
Pennisetum clandestinum 1970
weeds 1970
tillage
Abutilon theophrasti, maize 2431, 2657
Aethusa cynapium, wheat 272
Amaranthus
forests 3031
lawns and turf 3031
vegetables 3031
Amaranthus blitoides 858
Amaranthus hybridus 858
sorghum 2435
Amaranthus quitensis, soyabeans 2037-2038
Amaranthus retroflexus 858, 1740
broccoli 5082
flax 277
lentils 277
rape 277
rye 502
sorghum 502
tomatoes 4659
wheat 277
Ambrosia artemisiifolia
rye 502
sorghum 502, 2435
Anagallis arvensis, wheat 1211
Anthemis arvensis, potatoes 2221
Anthemis cotula 1740
Apera spica-venti, cereals 5019
Apocynum cannabinum
maize 285

Physical control *cont.*
tillage *cont.*
Apocynum cannabinum cont.
soyabeans 285
Artemisia frigida
pastures 1617
rangelands 1617
Aster pilosus
rye 502
sorghum 502
Avena, sorghum 1795
Avena fatua
barley 2416
rape 2416
wheat 269, 2416
barley, as weeds 47
Bromus tectorum
flax 277
lentils 277
rape 277
wheat 277, 1997
Cassia obtusifolia
rye 502
sorghum 502, 2435
soyabeans 2468
Cerastium fontanum 1740
Chenopodium album 3903
broccoli 5082
flax 277
forests 3031
lawns and turf 3031
lentils 277
maize 2431
potatoes 2221
rape 277
rice 4185
sorghum 2435
vegetables 3031
wheat 277, 1211
Chloris gayana, sorghum 1795
Chondrilla juncea 453
Cirsium arvense 1783, 3886
barley 47
cereals 5019
fallow 47, 2413
flax 47
potatoes 2221
rape 47
wheat 47
Cnicus benedictus
rye 502
sorghum 502
Convolvulus arvensis 2411
maize 285
sorghum 1795
soyabeans 285
Conyza canadensis
rye 502
sorghum 502, 2435
Coronopus didymus
pastures 1411
raspberries 1411
vegetables 1411
Cyperus esculentus, groundnuts 4679
Cyperus iria, soyabeans 1211
Cyperus rotundus, rice 4185
Descurainia sophia
flax 277
lentils 277
rape 277
wheat 277
Desmodium tortuosum, groundnuts 4679
Dichanthium sericeum, sorghum 1795
Digitaria sanguinalis, sorghum 2435
Echinochloa
fallow 1795
sorghum 1795
Echinochloa colonum
rice 4185
soyabeans 1211
Echinochloa crus-galli 2411
broccoli 5082
potatoes 2221
rice 4185
Eclipta alba, soyabeans 1211
Elymus repens
barley 47
fallow 47
flax 47
maize 290, 1600, 3779

Physical control *cont.*
tillage *cont.*
Elymus repens cont.
potatoes 2221
rape 47
soyabeans 1600
sugarbeet 2071
wheat 47, 2420
Equisetum arvense, wheat 269
Eragrostis cilianensis, sorghum 1795
Fallopia convolvulus
barley 2416
fallow 1795
flax 277
lentils 277
rape 277, 2416
wheat 269, 277, 2416
flax, as weeds 47
Galeopsis tetrahit, wheat 269
Galinsoga parviflora, potatoes 2221
Galium aparine, wheat 272
Heterotheca latifolia
rye 502
sorghum 502
Hordeum jubatum, wheat 269
Imperata cylindrica 2153
Ipomoea lacunosa, soyabeans 2468
Juncus bufonius
pastures 1411
raspberries 1411
vegetables 1411
Kochia scoparia 858
Lamium purpureum 1740
Launaea chevalieri 4852
Lolium multiflorum 3077
Medicago polymorpha, wheat 1211
oats, as weeds, wheat 272
Orobanche 2967
Panicum decompositum
fallow 1795
sorghum 1795
Panicum miliaceum 858
Panicum texanum, groundnuts 4679
Papaver rhoeas, wheat 272
Phalaris minor, wheat 1211
Plantago lanceolata
pastures 1411
raspberries 1411
vegetables 1411
Poa annua 1740
Polygonaceae, potatoes 2221
Polygonum aviculare, fallow 1795
Polygonum lapathifolium, wheat 269
Portulaca oleracea
forests 3031
lawns and turf 3031
sorghum 1795
vegetables 3031
Ranunculus
pastures 1411
raspberries 1411
vegetables 1411
rape
as weeds 47
wheat 272
Raphanus raphanistrum 3034
raspberries
as weeds
pastures 1411
raspberries 1411
vegetables 1411
Reseda lutea 3472
Rosa, wheat 269
Salsola iberica 858
flax 277
lentils 277
rape 277
wheat 277
Senecio 4723
Senecio jacobaea 1266
Senecio lautus 4723
Senecio madagascariensis 4723
Senecio vulgaris
barley 2416
broccoli 5082
rape 2416
wheat 269, 2416
Setaria faberi
maize 2431
tomatoes 4659
Setaria viridis 858

Physical control *cont.*
tillage *cont.*
Setaria viridis cont.
broccoli 5082
Phaseolus vulgaris 310
Sinapis arvensis
barley 3763
potatoes 2221
Solanum 2411
Solanum nigrum 1740
Solanum sarrachoides 1740
Solidago canadensis
rye 502
sorghum 502
Sonchus 1740
Sonchus arvensis
barley 47
fallow 47
flax 47, 277
lentils 277
rape 47, 277
wheat 47, 277
Sonchus oleraceus
fallow 1795
sorghum 1795
Sorghum halepense
maize 3270, 5036
rye 502
sorghum 502
Stellaria media 1740
potatoes 2221
wheat 272
Striga 2125
sunflowers, as weeds, sunflowers 2062
Taraxacum officinale
barley 2416
flax 277
lentils 277
rape 277, 2416
wheat 269, 277, 2416
Teucrium canadense
maize 285
soyabeans 285
Thlaspi arvense
barley 2416
flax 277
lentils 277
rape 277, 2416
wheat 269, 277, 2416
Tribulus, sorghum 1795
Trifolium repens 4
Tussilago farfara, fallow 3506
Urochloa panicoides
fallow 1795
sorghum 1795
Veronica 1740
Veronica arvensis
pastures 1411
raspberries 1411
vegetables 1411
Veronica hederifolia, wheat 272
Veronica persica, wheat 272
Vicia villosa, maize 2430
weeds 869, 900, 1090, 1749, 2407, 2579, 3735, 3748
Anethum graveolens 5126
apples 3813, 4992, 5085
apricots 236
aubergines 3332
barley 1994, 2821, 5027
broccoli 5082
buckwheat 746
cabbages 4656
Capsicum 3332
cereals 261, 3716, 5019
cherries 777
chicory 4220
coffee 2889
Coriandrum sativum 5126
cotton 1080, 2336, 3830, 3832
cowpeas 1629
Elaeagnus orientalis 236
fallow 1795, 1986
field crops 3740
forests 3031
groundnuts 786-787, 4679
lawns and turf 1243, 3031
lemons 4672
lentils 3317
lucerne 3306

Physical control *cont.*
tillage *cont.*
weeds *cont.*
maize 614, 743, 1602, 2010, 2432, 2756, 3047, 3265, 3776-3777, 3779, 3904
millets 746
Miscanthus sinensis 2099
onions 3332
oranges 4672
Panicum 746
parsley 5126
pastures 1411
peas 3317, 5027
Phaseolus vulgaris 310
pomegranates 3347-3350
Populus 3836
potatoes 3241
rape 2821, 3352
raspberries 1411, 1639
rice 3904, 4185
Robinia pseudoacacia 236
rye 3716
sorghum 271, 1795
soyabeans 3265, 4207
sugarbeet 1994, 2077
tomatoes 3332, 4659
tree fruits 4660
Ulmus pumila 236
vegetables 1411, 3031, 3249, 4149
wheat 271, 730, 732, 1994, 2421, 3265, 3716, 5027
Xanthium spinosum, sorghum 1795
Xanthium strumarium, sorghum 2435
Phytolacca americana
biology
composition 1844
identification 2541
nomenclature 2541
proteins 1844
taxonomy 1676
control
biological control 2541
physical control 2541
ecology
colonizing ability 2541
establishment 1676
introduction 2541
seeds, seed dispersal 2541
toxicity 2541
man 4717
utilization
food crops 2541
medicinal plants 2541
Phytolacca dodecandra
biology
composition 2543
nomenclature 2543
taxonomy 2543
ecology
climate 2543
distribution 2543
toxicity, livestock 2543
utilization, molluscicidal plants 2404
Phytoplankton, lakes, Canada 3018
Picea abies
Betula
invasion 3839
Norway 3839
plant competition 3839
Canada 4946
herbicides
application date 4946
application methods 3839
application rates 4946
band spraying 3839
damage 4946
growth rate 4698, 4946, 5121
leaves 4946
plant height 4946
soil water 5121
stump sprays 3839
survival 4698
tolerance 4946
waxes 4946
Norway 5121
Oxalis acetosella, Germany 1842
Poland 4698
Pteridium aquilinum, France 4247

Picea abies *cont.*
Sorbus aucuparia
invasion 3839
Norway 3839
plant competition 3839
weed control
growth rate 4247, 5121
soil water 5121
weeds
chemical control 5121
plant competition 5121
woody weeds
invasion 3839
Norway 3839
plant competition 3839
Picea engelmannii
Pteridium aquilinum, USA 4699
Rudbeckia occidentalis, USA 4699
Picea glauca
Pinus strobus, Canada 4086
Canada 3373, 4946
herbicides
ammonium 4959
application date 805, 4946, 4959
application rates 4946, 4959
damage 4946
growth rate 805, 4369, 4946
leaves 4946
lipids 4086
nutrient content 4086
photosynthesis 4959
plant height 805, 4946
proteins 4086
starch 4086
tolerance 4946, 4959
waxes 4946
Rubus parviflorus
Canada 805
growth rate 805
plant competition 805
plant height 805
USA 4369
weed control
application date 805
growth rate 805, 4369
height 4369
plant height 805
survival 4369
weeds
control 3373
plant competition 4369
woody weeds, plant competition 4369
Picea mariana
Canada 3051, 4946
herbicides
application date 4946
application rates 4946, 5119
damage 4946
growth rate 4242, 4946, 5119-5120
leaves 4946
plant height 4946, 5119
survival 4242, 5119-5120
tolerance 4946
waxes 4946
Kalmia angustifolia
allelopathy 809
growth rate 809
plant competition 809
spread 818
raspberries
as weeds
Canada 4242, 5119-5120
growth rate 5119-5120
plant competition 4242, 5119-5120
weed control, application date 3051
weeds
growth rate 3051
plant competition 3051
plant height 3051
survival 3051
Picea rubens
herbicides
birds 1906
environmental impact 1906
growth rate 4242
survival 4242
raspberries
as weeds
Canada 4242
plant competition 4242
Picea rubens *cont.*
Rubus, Canada 1906
Picea sitchensis
herbicides
economics 354
growth rate 354
weed control
economics 354
growth rate 354
weeds
chemical control 354
control 354
Picloram
analytical methods
extraction 113
thin layer chromatography 2305
application
adjuvants 220
aerial application 220
drift 220
droplet size 220
droplet studies 220
wind effects 220
application date
Acer rubrum 821
Carya tomentosa 821
lawns and turf 3842
Liquidambar styraciflua 821
Lolium 3793
Nyssa sylvatica 821
Ostrya virginiana 821
Prunus serotina 821
Quercus 821
Sassafras albidum 821
Ulmus 821
application rates
Acroptilon repens 3023
Euphorbia esula 2909
grasslands 4636
binding proteins, *Sinapis arvensis* 4543
control
Acer rubrum 821
Acroptilon repens 3023, 3187
Artemisia frigida
Agropyron cristatum 1617
Bromus inermis 1617
pastures 1617
rangelands 1617
Bromus secalinus, wheat 3758
Bromus tectorum, lawns and turf 3842
Carya tomentosa 821
Chenopodium album, lawns and turf 3842
Convolvulus arvensis, lawns and turf 3842
Cryptostegia grandiflora 2532
Cynodon dactylon, lawns and turf 3842
Euphorbia esula 384, 2909
grasslands 1208, 2457
Poa pratensis 2457
prairies 2457
Liquidambar styraciflua 821, 5128
Nyssa sylvatica 821
Ostrya virginiana 821
Prunus serotina 821
Quercus 821
Sassafras albidum 821
Sicyos, sugarcane 2507
Solanum elaeagnifolium 388
Solanum viarum 5178
Taraxacum, lawns and turf 3842
Trifolium repens, lawns and turf 3842
Trigonella, lawns and turf 3842
Ulmus 821
weeds
Cynodon dactylon 3301
forests 607
lawns and turf 3842
Lolium 3793
woody weeds
Pinus echinata 808
Pinus taeda 808
damage
grasslands 2457
Poa pratensis 2457
prairies 2457
decomposition
Carduus nutans 639
Lolium perenne 639
Picloram *cont.*
decomposition *cont.*
Senecio jacobaea 639
Trifolium repens 639
degradation
Astragalus mollissimus 2910
Oxytropis sericea 2910
economics
Acer rubrum 821
Carya tomentosa 821
Cryptostegia grandiflora 2532
Euphorbia esula 2909
grasslands 2457
Liquidambar styraciflua 821
Nyssa sylvatica 821
Ostrya virginiana 821
Poa pratensis 2457
prairies 2457
Prunus serotina 821
Quercus 821
Sassafras albidum 821
Ulmus 821
growth, *Mikania micrantha* 3684
growth rate
Lemna minor 3436
Pinus echinata 808
Pinus taeda 808
Sinapis arvensis 4543
interactions
adjuvants 220
herbicides 2909, 3023, 3758, 3793, 3842, 4878, 4940, 5128
plant growth regulators 647
surfactants 3187
nutrient uptake
algae 3436
cyanobacteria 3436
plant growth regulators, *Sinapis arvensis* 4543
plant pests, *Euphorbia esula* 384
population density, *Euphorbia esula* 1208
population dynamics, grasslands 4636
regenerative ability
Pinus echinata 808
Pinus taeda 808
registration, Canada 3436
residues
drinking water 2305
groundwater 4878
sediment 3135
soil 113, 639, 2337, 3135, 4878, 4940
water 113, 2305, 3135
zooplankton 3135
seed germination
Centaurea solstitialis 887
Mikania micrantha 3684
Taeniatherum caput-medusae 887
selectivity
Astragalus mollissimus 2910
Oxytropis sericea 2910
soil
bacteria 2337
denitrification 2337
fungi 4940
microbial activities 639, 2337
microorganisms 639, 2337
movement 4878
nitrification 2337
persistence 4878
soil flora 2337
somatic embryogenesis, *Eleusine coracana* 647
surfactants
Acroptilon repens 3187
Ulex europaeus 4255
synergism
Euphorbia esula 2909
wheat 3758
toxicity
aquatic organisms 3135, 3436
ecosystems 3135, 3436
insects 384
snails 607
soil flora 2337
zooplankton 3135
translocation
Acroptilon repens 3187
Astragalus mollissimus 2910
Oxytropis sericea 2910

Picloram *cont.*
tree injection
Acer rubrum 821
Carya tomentosa 821
Liquidambar styraciflua 821
Nyssa sylvatica 821
Ostrya virginiana 821
Prunus serotina 821
Quercus 821
Sassafras albidum 821
Ulmus 821
uptake
Acroptilon repens 3187
Astragalus mollissimus 2910
Oxytropis sericea 2910
Ulex europaeus 4255
water, salinity 3135
water stress, *Acroptilon repens* 3187
yields
Agropyron cristatum 1617
Bromus inermis 1617
Cynodon dactylon 3301
grasslands 2457, 4636
Lolium 3793
Poa pratensis 2457
prairies 2457
Picris hieracioides
Australia 26
biology
chromosome number 26
identification 26
pollen 4599
taxonomy 26
ecology
distribution 26
introduction 26
nickel 4599
origin 26
utilization, indicator plants 4599
Pigeon peas (*Cajanus cajan*)
Ageratum conyzoides, hosts of plant pests 4846
Brazil 283, 1999
herbicides
yield components 4214
yields 765, 2042-2044, 3319-3320, 4213-4214
India 765, 2042-2044, 2477, 2762, 2830, 3319-3320, 4213-4214
Nicandra physalodes, hosts of plant pests 4846
weed control
application date 2043
yield components 4214
yields 765, 2042-2044, 3319-3320, 4213-4214
weeds
control 305, 2477, 3746
cultural control 2477
hosts of plant pests 3989, 4846
occurrence 3746
Pimelea elongata
economics
cattle 3414
toxicity 3414
toxicity, cattle 3414
Pimelea simplex
economics
cattle 3414
toxicity 3414
toxicity, cattle 3414
Pimelea trichostachia
economics
cattle 3414
toxicity 3414
toxicity, cattle 3414
Pimpinella anisum
herbicides
application date 4702
damage 4702
weeds, population density 4702
Pimpinella saxifraga
biology
carbon pathways 508
growth rate 508
photosynthesis 508
roots 508
transpiration 508
water relations 508
Pineapples (*Ananas comosus*)
Pineapples *cont.*
herbicides
application equipment 781
damage 2059
fruits 2059
labelling 781
regrowth 2059
safety 781
sprayers 781
Philippines 2059
weeds
chemical control 781, 1642
control 781
Pines (*see Pinus*)
Pinopsida
Gaultheria shallon, plant competition 1251
herbicides
birds 3369
damage 4693
environmental impact 3368, 3370
plant height 4693
plant pests 3367
survival 4693
UK 318
USA 4693
weed control
birds 3369
economics 5114
environmental impact 3368, 3370
labour requirements 5114
plant pests 3367
weeds
chemical control 5114
cultural control 3366
invasion 487
plant competition 3366
woody weeds
chemical control 346
control 346
Pinus
Aristida stricta, USA 3042
ecology, invasion 5138
forests
disturbed land 5129
introduction 5129
invasion 5129
grasslands
disturbed land 5129
introduction 5129
invasion 5129
herbicides
economics 704
site preparation 704
seeds, seed dispersal 5129
shrubs
disturbed land 5129
introduction 5129
invasion 5129
Pinus banksiana
Canada 3051
herbicides
growth rate 202
tolerance 202
weed control, application date 3051
weeds
growth rate 3051
plant competition 3051
plant height 3051
survival 3051
Pinus caribaea, weeds, chemical control 806
Pinus contorta
herbicides
application date 805
growth rate 805
plant height 805
Pteridium aquilinum, USA 4699
Rubus parviflorus
Canada 805
growth rate 805
plant competition 805
plant height 805
Rudbeckia occidentalis, USA 4699
weed control
application date 805
growth rate 805
plant height 805
Pinus echinata
herbicides
application date 5118
economics 5118
Pinus echinata *cont.*
herbicides *cont.*
growth rate 808
regenerative ability 808
USA 808
weed control
application date 5118
economics 5118
growth rate 808
regenerative ability 808
woody weeds, USA 5118
Pinus elliottii
herbicides, yields 353
USA 353
weed control, yields 353
Pinus halepensis
Algeria 5115
herbicides, economics 5115
weed control, economics 5115
Pinus pinaster
lettuces
as weeds
allelopathy 2581
development 2581
growth rate 2581
seed germination 2581
Lolium perenne
allelopathy 2581
development 2581
growth rate 2581
seed germination 2581
Pinus radiata
Australia 4359
herbicides
economics 354
growth rate 347-348, 354, 4240
plant height 347-348
survival 347-348
tolerance 4240
New Zealand 347, 4240
South Africa 348, 5116
weed control
economics 354
growth rate 347, 354, 4240
nutrient content 4359
plant height 347
species diversity 5116
survival 347
tolerance 4240
weeds
chemical control 354, 5116
control 354
fertilizers 4359
leaching 4359
mineralization 4359
nutrient content 4359
soil pollution 4359
Pinus resinosa
Canada 3051, 4946
herbicides
ammonium 4959
application date 4946, 4959
application rates 4946, 4959
damage 4946
growth rate 202, 4369, 4946
leaves 4946
photosynthesis 4959
plant height 4946
tolerance 202, 4946, 4959
waxes 4946
Poaceae
growth rate 3048
light 3048
nutrient content 3048
plant competition 3048
roots 3048
USA 3048
water relations 3048
USA 4369
weed control
application date 3051
growth rate 4369
height 4369
survival 4369
weeds
growth rate 3051
plant competition 3051, 4369
plant height 3051
survival 3051
woody weeds, plant competition 4369

Pinus strobus
Picea glauca, Canada 4086
Canada 3051
herbicides
lipids 4086
nutrient content 4086
proteins 4086
starch 4086
weed control, application date 3051
weeds
growth rate 3051
plant competition 3051
plant height 3051
survival 3051
Pinus sylvestris
Empetrum hermaphroditum
allelopathy 3395
growth rate 3395
plant competition 3395
Sweden 3395
Finland 4246
herbicides
growth rate 4246
plant height 4246
Pteridium aquilinum
allelopathy 2539
growth rate 2539
seed germination 2539
weed control
growth rate 4246
plant height 4246
Pinus taeda
Acer rubrum
growth rate 351-352
plant competition 351-352
plant height 351
yields 351
Andropogon virginicus
drought 939
plant competition 939
population density 939
soil water 939
stomatal resistance 939
USA 939
water relations 939
biology, growth rate 45
Carya
growth rate 351
plant competition 351
plant height 351
yields 351
Cornus florida
growth rate 351
plant competition 351
plant height 351
yields 351
Diospyros virginiana
growth rate 351
plant competition 351
plant height 351
yields 351
ecology
light 45
nutrient availability 45
plant competition 45
population density 45
water relations 45
herbicides
adjuvants 5117
aerial application 5117
application rates 5117
economics 354, 4245
growth rate 349-350, 352, 354, 804, 808, 3372, 5117
morphology 349
phenology 349
plant height 349-350, 5117
population density 807
regenerative ability 808
species diversity 807, 3371
survival 350
yields 352-353
Liquidambar styraciflua
growth rate 351-352
plant competition 351-352
plant height 351
yields 351
Nyssa sylvatica
growth rate 351
plant competition 351
plant height 351

Pinus taeda *cont.*
Nyssa sylvatica cont.
yields 351
Quercus
growth rate 351
plant competition 351
plant height 351
yields 351
Quercus nigra
growth rate 352
plant competition 352
Quercus phellos
growth rate 352
plant competition 352
Ulmus alata
growth rate 352
plant competition 352
USA 33, 45, 349-353, 807-808, 3371-3372, 4245, 4878
weed control
economics 354
growth rate 349, 352, 354, 803, 808, 3372
morphology 349
phenology 349
plant height 349, 3372
population density 807
regenerative ability 808
species diversity 807
yields 352-353
weeds
chemical control 354
control 354
woody weeds
control 803
plant competition 33, 350, 803
USA 5117
Piperophos
application date, rice 1609
control
aquatic weeds, rice 2028
cyanobacteria, rice 2016
Cyperus difformis, rice 1609
Digitaria debilis, rice 1609
Echinochloa crus-galli, rice 2028
Hymenachne amplexicaulis, rice 1198
Leptochloa caerulescens, rice 1609
Ludwigia, rice 1609
Sphenoclea zeylanica, rice 1609
weeds, rice 1198, 2025, 2028
damage, rice 1198, 1609
economics, rice 1609
yields, rice 1609, 2025, 2028
Pistia
biology
chlorophyll 4291
composition 4291
mercury 4291
pigments 4291
ecology
heavy metals 4291
mercury 4291
water pollution 4291
Pistia stratiotes
biology
ion exchange 2562
iron 2562
lead 2562
leaves 411
magnesium 411
manganese 2562
membranes 2562
nitrogen 411
phosphorus 411
potassium 411, 2562
roots 411, 2562
sodium 411
zinc 2562
control, biological control 1197, 3880
ecology
decomposition 411
distribution 1715
heavy metals 2562
nutrient uptake 2562
origin 1715
spread 1715
temperature 1715
utilization
pesticidal plants 849
waste water treatment 2562
water reservoirs, Uruguay 411

Pisum sativum (*see* Peas)
Plant growth regulators 4380
Plantago
biology
composition 1435
flavonoids 1435
glycoflavones 1435
ecology
plant communities 2621
weed associations 2621
Plantago albicans, ecology, distribution 1364
Plantago aristata
biology
carbon 513
defoliation 513
development 513
flowers 513
photosynthesis 513
reproduction 513
translocation 513
seeds
seed production 513
seed weight 513
Plantago lagopus
biology
chromosome aberrations 1849
chromosomes 1849
cytology 1849
genetic variation 1849
mitosis 1849
morphology 1849
pollen 1849
seeds
seed set 1849
seed weight 1849
Plantago lanceolata
Austria 20
biology
adenosinetriphosphatase 3089
aucubin 1432
chromosome number 20
composition 375, 1432, 1818, 3072
electron transfer 3089
enzymes 3089
evolution 2683
exudation 554
flowering 921
fluoride 2683
gene flow 921
genetic variation 1818
genotypes 1742, 3072
glycosides 1818
growth rate 2683
hybridization 921
iridoid glycosides 1432, 3072
iron 1828, 3089
leaves 1818, 3072
nitrogen 1432
nutrient availability 3089
nutrient content 3072
plant pests 1432
pollen 375
pollination 2179
proteins 3072
protoplasts 1828
redox reactions 1828, 3089
reproduction 921
roots 1828, 3089
control, physical control 1411, 1432
ecology
defence mechanisms 1818, 3072
disturbed land 1411
emergence 1411
fluoride 2683
genotype environment interaction 1742
herbivores 1432
insects 1818, 3072
light 1742
nutrient availability 1742, 3089
population dynamics 1411
shading 1742
spatial distribution 3071
temperature 1742
hosts
beneficial insects 2179
insects 554, 1818, 3072
Rhinanthus alectorolophus
host parasite relationships 2988
Switzerland 2988

Plantago lanceolata *cont.*
seeds
light 1742
seed germination 1742, 2683
seed production 921
stratification 1742
temperature 1742
toxicity
allergens 375
man 375
UK 2683
USA 1432
weed control
aucubin 1432
composition 1432
iridoid glycosides 1432
nitrogen 1432
Plantago major
biology
carbon 4786
carbon dioxide 3969
carbon pathways 508
chlorophyll 2695
development 3527
dry matter distribution 2695
enzymes 3491
flowering 2695
gas exchange 2695, 3969
growth rate 508, 3491, 4366
growth stages 2695, 3527
guard cells 3969
molecular genetics 2693
morphology 1380, 1819, 4366
nitrate reductase 3491
nitrates 3491
nitrogen 3491
ozone 3527, 3969
phloem 2693
photosynthesis 508, 2695, 3969
plant growth regulators 2695
protein 2693
respiration 4786
roots 508, 1380, 1819
senescence 2695
stomata 2695, 3969
stomatal movement 2695
sucrose 2693
translocation 2693
transpiration 508
vascular bundles 2693
water relations 508
control
chemical control 4184
physical control 4184
ecology
biotypes 3969
carbon dioxide enrichment 4786
drainage 1380
flooding 1380
nutrient content 3491
nutrient uptake 3491
ozone 2695
plant competition 4366
soil compaction 1380, 1819, 3491
trampling 4366
water stress 1380, 1819
waterlogging 1380, 1819
Japan 4366
lawns and turf, surveys 2236-2237
sports grounds, surveys 2236-2237
utilization, medicinal plants 4597
Plantago media
biology
flowering 921
hybridization 921
pollination 2179
reproduction 921
hosts, beneficial insects 2179
seeds, seed production 921
Plantago ovata
herbicides
application date 3386
yields 2524, 3386
India 2524, 3386
weed control, yields 2524, 3386
Plantago patagonica
biology
flowers 2179
pollination 2179
ecology
habitats 35

Plantago patagonica *cont.*
ecology *cont.*
plant competition 35
population density 35
water relations 35
USA 35
Plantation crops
Chromolaena odorata, economics 3849
herbicides
application equipment 1950
application methods 1950
weed control, economics 3739
Planting stock
Algeria 5115
herbicides
application methods 2379
economics 5115
environmental impact 2379
growth rate 4240
safety 2379
tolerance 4240
Italy 2871
New Zealand 4240
USA 142, 626, 2732
weed control
economics 5115
growth rate 4240
tolerance 4240
weeds
chemical control 2379
control 338, 2871, 3375
Pluchea arguta
biology
composition 3095
sesquiterpenes 3095
Pluchea lanceolata
Brassica, allelopathy 1399
control 3746
ecology
allelopathy 1399
soil types 1399
tomatoes, allelopathy 1399
Poa
amenity and recreation areas, surveys 1407
canal banks, surveys 1407
ditch banks, surveys 1407
ecology, habitats 1407
grasslands, surveys 1407
maize, surveys 1407
rice, surveys 1407
rivers, surveys 1407
roadsides, surveys 1407
streams, surveys 1407
swamps, surveys 1407
vegetables, surveys 1407
walls, surveys 1407
waste land, surveys 1407
wheat, surveys 1407
Poa annua
Agrostis stolonifera, USA 3841
barley
fertilizers 481
plant competition 481
population density 481
yields 481
biology
carbon pathways 508
growth rate 508
photosynthesis 508
reproduction 932
roots 508
transpiration 508
water relations 508
Bromus willdenowii, invasion 3053
Carduus nutans
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
cereals
distribution 3951
population density 3951
soil pH 3951
soil types 3951
control
biological control 2091, 3547

Poa annua *cont.*
control *cont.*
chemical control 1565, 1574, 2460, 2521, 3326, 3841, 3843, 4452, 4680
cultural control 1722, 2091, 3465
physical control 1722, 1740, 2460, 3326
Cynodon transvaalensis × *C. dactylon,* USA 2091
Dactylis glomerata, invasion 3053
ecology
dispersal 932
emergence 932, 3465
fertilizers 3465
plant competition 932
Elymus repens
allelopathy 4378
growth rate 4378
roots 4378
Festuca arundinacea, invasion 3053
herbicides
bioassays 4452
surfactants 1574
Holcus lanatus, invasion 3053
hosts, fungi 546
lawns and turf
chemical control 2521
surveys 2236-2237
Lolium perenne
chemical control 2521
invasion 3053
USA 2091
Norway 1722
pastures
New Zealand 3938
plant succession 3938
population dynamics 3938
seasonal variation 3938
Phalaris aquatica, invasion 3053
Poa annua, invasion 3053
Poa pratensis, Denmark 3843
seeds
buried seeds 1740
light 1740, 3465
seed germination 1740, 3465
seed size 3465
sports grounds, surveys 2236-2237
Stellaria media, Poland 296
Urtica dioica, Poland 296
USA 3547
vegetables
distribution 3951
population density 3951
soil pH 3951
soil types 3951
weed control, seed germination 1740
Poa bulbosa
biology, identification 13
control 13
ecology 13
spread 13
USA 13
Poa canbyi, *Bromus tectorum,* plant competition 1
Poa compressa, Switzerland 3813
Poa pratensis
biology
chlorophyll 1115
plant diseases 1115
plant growth regulators 1115
pollen 5145
control
chemical control 4707, 4752
cultural control 4637
integrated control 4637
Cyperus esculentus, USA 4700
Digitaria ischaemum, USA 2096, 2523, 3378-3379, 4248
Digitaria sanguinalis, USA 2093, 2096
Eleusine indica, USA 2093
Euphorbia esula, USA 2457
herbicides
adjuvants 4752
aerial application 4707
application date 2096-2097, 3843, 4248
application methods 4707
application rates 2096-2097, 2523, 3378, 4700

Poa pratensis *cont.*
herbicides *cont.*
damage 356, 2096-2097, 2457, 3379, 4700
economics 2457
growth rate 3381
high volume spraying 3843
leaf age 3538
plant diseases 3538
quality 4700
residues 2523
soil water 3231
temperature 3843
tolerance 356, 3843
yields 2457
hosts, fungi 1115, 3538
Lolium perenne, population dynamics 4637
pastures, population dynamics 4637
Pennisetum clandestinum
plant competition 3381
USA 3381
Poa annua, Denmark 3843
Poland 299
Taraxacum officinale
Poland 298
USA 3231
toxicity
allergens 5145
man 5145
Trifolium repens, USA 3231
USA 356, 2097
weed control
population dynamics 298
yields 298
weeds, integrated control 4635
Poa sandbergii, *Bromus tectorum,* plant competition 1
Poa trivialis
control
chemical control 4610
cultural control 1205
physical control 1205
Cynosurus cristatus
disturbed land 1205
nutrient availability 1205
plant communities 1205
population dynamics 1205
ecology, habitats 2669
herbicides, application date 4610
hosts, fungi 546
Poland 300
Trifolium repens
disturbed land 1205
nutrient availability 1205
plant communities 1205
population dynamics 1205
Trisetum flavescens
disturbed land 1205
nutrient availability 1205
plant communities 1205
population dynamics 1205
weed control
composition 300
yields 300
wheat
spread 968
yields 968
Poaceae
amenity and recreation areas, surveys 1407
barley, UK 280
biology
growth rate 1412
leaves 229
morphology 229
plant height 1412
pollen 12, 2636
reproduction 1796
taxonomy 1796, 4349
Bromus sterilis, UK 959
canal banks, surveys 1407
Capsicum, occurrence 1796
chickpeas, Jordan 4648
control
biological control 421, 1854
chemical control 101, 229, 280, 769, 1209, 1592, 1597, 1662, 2073, 2076, 2414, 2500, 3835, 4008, 4455
cultural control 432, 4226
Poaceae *cont.*
control *cont.*
integrated control 2076
physical control 432, 2076
cotton, surveys 3956
Denmark 972
ditch banks, surveys 1407
ecology
distribution 4349
habitats 1407
introduction 1412
origin 1412
seasonal variation 1213
spread 6
weather 12
flax, chemical control 2073
grasslands, surveys 1407
herbicides
antagonism 3235
damage 601
establishment 1250
photosynthesis 601
hops, occurrence 2226
hosts
fungi 546, 1009
insects 98
pathogens 2081
viruses 2081
lentils, Jordan 4648
maize
hosts of plant pests 101
surveys 1407
Pinus resinosa
growth rate 3048
light 3048
nutrient content 3048
plant competition 3048
roots 3048
USA 3048
water relations 3048
potatoes, chemical control 2073
rangelands
climate 2222
cycling 2222
fire effects 2222
habitats 2222
invasion 2222
plant competition 2222
plant succession 2222
soil types 2222
species diversity 2222
USA 2222
rape, chemical control 2073
rice
Colombia 98
control 1611
growth rate 1854
hosts of plant pests 98
plant competition 34
plant development 1854
population density 1406
surveys 1407
Thailand 421
USA 1611
water relations 1854
rivers, surveys 1407
roadsides, surveys 1407
seeds
buried seeds 1337, 2805
identification 4776
seed dispersal 6
seed size 1337, 1412
soil types 1337
streams, surveys 1407
sugarbeet
Czech Republic 2073
surveys 3511
swamps, surveys 1407
Tagetes, allelopathy 4226
tea
population density 3517
surveys 3517
tobacco
economics 2081
light 2081
mineral nutrition 2081
plant competition 2081
water relations 2081
UK 12, 1250
utilization
foods 2805
Poaceae *cont.*
utilization *cont.*
pastures 1412
vegetables, surveys 1407
walls, surveys 1407
waste land, surveys 1407
weeds, population density 972
wheat
plant competition 34
surveys 1407
UK 280
Poisonous weeds
biology
composition 2595, 3409
identification 2595, 3409
morphology 2595, 3409
taxonomy 2595
toxins 3409
control, chemical control 826
ecology
distribution 2595, 3409
habitats 3409
introduction 826
occurrence 2595
spread 826
herbicides
composition 826
toxins 826
toxicity
allergens 2595
domestic animals 3409
livestock 826, 3409
man 826
pets 3409
Poland
Agrostis capillaris 300
allotments, *Elymus repens* 4704
Alopecurus pratensis, Taraxacum officinale 298
Anethum graveolens 1663
asparagus 772
barley 560, 2810, 4609, 4615, 4621, 5027, 5031
Cirsium arvense 2212
Bromus inermis 297
Bromus willdenowii 46
buckwheat 294
carrots 3691
cauliflowers 2490
celeriac 2485
cereals 724-725, 2810, 2812, 4607
Avena 4159
Galium aparine 4158
Viola arvensis 4158
cherries 1221
chicory 4220
Cynosurus cristatus 300
Dactylis glomerata 46, 297, 299-300, 5059
Stellaria media 296
Taraxacum officinale 298
Urtica dioica 296
faba beans 724, 1986, 2473, 4125, 4209, 4462, 5067
Echinochloa crus-galli 1563
fallow 1986, 5059
Tussilago farfara 3506
Festuca arundinacea 297
Festuca pratensis 297, 300
Stellaria media 296
Taraxacum officinale 298
Urtica dioica 296
Festuca rubra 299-300, 5059
flax 4237
flora 871
forests 4376
gardens, *Tussilago farfara* 3519
grasslands 300
herbicide residues
groundwater 3592
seasonal variation 3592
surface water 3592
herbicides
distribution 719
economics 719, 4595
environmental impact 698, 719
export controls 698
extension 719
import controls 698
legislation 698, 719, 2399-2400, 2802-2803

Poland *cont.*
herbicides *cont.*
licences 698
new products 3548
registration 2399-2401, 2802-2803, 3727
reports 719
research 719
sugarbeet 792
lakes
aquatic weeds 1307
Myriophyllum 1307
Polygonum amphibium 3015
Potamogeton 1307
Lathraea squamaria 841
legumes 4640
lentils 3206
Lolium multiflorum 46
Stellaria media 296
Urtica dioica 296
Lolium perenne 297, 300
maize 284, 3779, 4079, 4125, 4626
meadows 297, 299
Stellaria media 296
Taraxacum officinale 298
Urtica dioica 296
oats 560
Cirsium arvense 2212
Stellaria media 296
Urtica dioica 296
Oenothera biennis 4680
onions 720, 1635-1636, 4654
paths, *Elymus repens* 4704
peas 724, 4125, 4209, 4607, 5027
Echinochloa crus-galli 1563
Phacelia tanacetifolia 5059
Phalaris arundinacea 299
Phleum pratense 297, 300, 5059
Stellaria media 296
Taraxacum officinale 298
Urtica dioica 296
Picea abies 4698
Poa annua
Stellaria media 296
Urtica dioica 296
Poa pratensis 299
Taraxacum officinale 298
Poa trivialis 300
potatoes 724, 4079, 4125, 4216, 5031
Chenopodium album 3935
Echinochloa crus-galli 3935
rape 724, 2872, 4125, 4209, 4230, 4607, 4673-4674
rye 4609
Cirsium arvense 2212
Silene alba 3
Solidago altissima 2643
Solidago canadensis 2643
Solidago gigantea 2643
strawberries 799
sugarbeet 793, 2079, 2887, 3828, 4125, 4674, 5027, 5096
Echinochloa crus-galli 2886
Elymus repens 1563, 2071-2072
tomatoes 720
Trifolium 4615
Trifolium pratense 300, 5031, 5059
Trifolium repens 300
triticale 725, 2423, 3769, 4609, 5029-5033
Tussilago farfara 3505
vegetables 720
weed control
cereals 4594
conferences 2589
economics 493, 4594
forecasts 4157
fruit crops 776
integrated control 776
potatoes 2221, 4594
rape 4594
reports 719
sugarbeet 4594
triticale 4623
weeds
cereals 4807-4809
conferences 871, 2589-2590, 3025
fallow 493, 4807-4809
invasion 3514
Lemna turionifera 2575
plant communities 3514

Poland *cont.*
weeds *cont.*
population dynamics 3514
potatoes 2221, 5075
soil types 4807-4809
spread 2575, 3514
surveys 4807-4809
wheat 560, 725, 1986, 2350, 2422-2423, 2810, 3762, 4209, 4482, 4609, 4615, 4674, 5027
Cirsium arvense 2212
Galium aparine 4169
Lamium amplexicaule 4169
Viola arvensis 4169
Polyamines 2341, 2778
Polygonaceae
biology
anatomy 3079
carbon pathways 3079
leaves 3079
control
chemical control 2221
physical control 2221
ecology
distribution 3482
surveys 3482
hops, occurrence 2226
potatoes, surveys 2221
sugarbeet, surveys 3511
utilization 3482
Polygonum
amenity and recreation areas, surveys 1407
biology, identification 2672, 3482
canal banks, surveys 1407
control
chemical control 2875
cultural control 2068
ditch banks, surveys 1407
ecology
distribution 2672
habitats 1407
surveys 2672
grasslands, surveys 1407
maize, surveys 1407
rice, surveys 1407
rivers, surveys 1407
roadsides, surveys 1407
streams, surveys 1407
sugarbeet
Germany 2068
plant competition 2068
yields 2068
swamps, surveys 1407
utilization, medicinal plants 2672
vegetables, surveys 1407
walls, surveys 1407
waste land, surveys 1407
wheat
growth stages 1781
plant succession 1781
population dynamics 1781
surveys 1407
Polygonum amphibium
biology
composition 4743
fatty acids 4743
gas exchange 3015
glycolipids 4743
lipids 4743
phospholipids 4743
photosynthesis 3015
transpiration 3015
ecology
algae 3870
flooding 3870
habitats 3015
light 3015
relative humidity 3015
temperature 3015
water relations 3015
herbicides
application date 3741
application methods 3741
resistance 3741
selectivity 3741
hosts, algae 3870
lakes, Poland 3015
Polygonum aviculare
barley
population density 3953

Polygonum aviculare *cont.*
barley *cont.*
seed banks 3953
surveys 3953
cereals
population density 3953
seed banks 3953
soil types 4809
surveys 3953, 4809
control
biological control 1853
chemical control 1590, 1658, 2069, 2196, 2508, 3261, 4621-4622, 4702
cultural control 2196, 3261
integrated control 2196, 3261
physical control 2583, 3261
ditches, Italy 1853
fallow
population dynamics 1795
soil types 4809
surveys 1795, 4809
herbicides, seed production 4621
hosts, insects 97
lucerne
allelopathy 3058
emergence 3058
growth rate 3058
Italy 1853
seed germination 3058
survival 3058
maize
Italy 1590
nutrient uptake 2196
oats, plant competition 4622
peas, Italy 1590
Phaseolus vulgaris, nutrient uptake 2196
potatoes, Italy 1590
seeds
seed banks 3953
viability 3953
sugarbeet
chemical control 1853, 2069
control 2069
emergence 2217
Italy 1853
phenology 2217
seed germination 2217
Spain 2217, 2232, 2508
surveys 2232
yields 2232
sunflowers, Italy 1590
tobacco, Italy 1590
tomatoes, Italy 1590
Vicia sativa, plant competition 4622
wheat, hosts of plant pests 97
Polygonum blumei, herbicides, bioassays 4857
Polygonum capitatum, South Africa 782
Polygonum convolvulus *(see Fallopia convolvulus)*
Polygonum cuspidatum *(see Reynoutria japonica)*
Polygonum hydropiper
control, chemical control 4197
herbicides
composition 2791
pigments 2791
rice
seasonal variation 3515
surveys 3515
Polygonum lapathifolium
barley
Canada 44
plant competition 44
population density 44
yields 44
Capsicum annuum, identification 2230
cereals
distribution 3951
population density 3951
soil pH 3951
soil types 3951
control
chemical control 269, 2006, 2357
cultural control 269
physical control 269, 2006
ecology, biotypes 2357, 4548
herbicides
chlorophyll 4548
chloroplasts 4548

Polygonum lapathifolium *cont.*
herbicides *cont.*
degradation 2357, 4548
growth rate 2357
photosynthesis 2357, 4548
resistance 2357, 4548
translocation 4548
uptake 4548
maize, Spain 2357, 4548
rape
Canada 44
plant competition 44
population density 44
yields 44
vegetables
distribution 3951
population density 3951
soil pH 3951
soil types 3951
wheat
Canada 44
plant competition 44
population density 44
yields 44
Polygonum latifolium
control, chemical control 2069
sugarbeet
chemical control 2069
control 2069
Polygonum pensylvanicum
control
chemical control 287-288, 1570, 2013
integrated control 287
physical control 287
ecology
algae 3870
flooding 3870
plant competition 2647
herbicides
rain 1570
surfactants 1570
hosts, algae 3870
maize
plant competition 2013
USA 288, 2013
yields 2013
USA 1570
Polygonum perfoliatum
biology 4771
identification 4771
control 4771
chemical control 3388
ecology, distribution 4771
forests, USA 3388
rights of way, USA 3388
roadsides, USA 3388
Polygonum persicaria
Capsicum annuum, identification 2230
control
chemical control 2069, 2196, 3811, 4197, 4235, 4455
cultural control 2196
integrated control 2196
ecology
cycling 3927
decomposition 3927
nutrient content 3927
herbicides, bioassays 4235
maize
France 52
nutrient uptake 2196
spatial distribution 52
Phaseolus vulgaris, nutrient uptake 2196
soyabeans
Italy 1210
population density 1210
yields 1210
sugarbeet
chemical control 2069
control 2069
emergence 3936
growth rate 3936
leaf area 3936
leaves 3936
Netherlands 3936
plant competition 3936
population density 3936
yields 3936
utilization, green manures 3927
Polygonum ramosissimum
Artemisia
fire effects 3057
plant communities 3057
regrowth 3057
grasslands
fire effects 3057
plant communities 3057
regrowth 3057
Quercus
fire effects 3057
plant communities 3057
regrowth 3057
Polygonum scabrum (*see Polygonum lapathifolium)*
Polygonum thunbergii
biology
flowers 908
fruits 908
nectar 908
pollination 908
set 908
ecology, insects 908
hosts, beneficial insects 908
Polygonum weyrichii
biology
growth rate 48
plant height 48
ecology
altitude 48
colonizing ability 48
establishment 48
Japan 48
seeds, seed size 48
Polytrias amaura
Capsicum frutescens
control 3496
Indonesia 3496
plant competition 3496
Pome fruits
herbicides
application methods 2494
application rates 2494
weeds, chemical control 2054
Pomegranates (*Punica granatum*)
Egypt 3347-3350
herbicides
composition 3350
flowering 3349
fruits 3349-3350
growth rate 3350
leaves 3347-3348
nutrient content 3347-3348
quality 3350
set 3349-3350
sugars 3350
yields 3350
weed control
composition 3350
flowering 3349
fruits 3349-3350
growth rate 3350
leaves 3347-3348
nutrient content 3347-3348
quality 3350
set 3349-3350
sugars 3350
yields 3350
Ponds
algae, Japan 4305
cyanobacteria
India 3878
Japan 4305
Japan 4049
Myriophyllum spicatum, Canada 4062
Nymphaea alba, Netherlands 851
Scirpus maritimus, Netherlands 4302
Spirodela polyrhiza, India 2553
USA 142
Pontederia cordata
biology
anatomy 3875
chromium 1291
morphology 3875
nutrient content 1291
seedlings 3875
zinc 1291
Canada 1291
Poplars (*see Populus)*
Poppies (*see Papaver)*
Populus
Canada 4978
France 3836
herbicides
aerial application 4978
canopy penetration 4978
deposition 4978
drift 4978
growth rate 3836
yields 342
weed control, growth rate 3836
weeds, chemical control 3836
Populus alba* × *P. grandidentata
herbicides
chlorophyll 3685
leaves 3685
molecular genetics 3685
tolerance 3685
Populus deltoides
herbicides
application date 343
application rates 343
damage 343
USA 343
weeds, plant competition 343
Populus tremula
herbicides
application date 4947
regrowth 4947
tree injection 4947
Pteridium aquilinum
allelopathy 2539
growth rate 2539
seed germination 2539
Populus tremuloides
Canada 4243
herbicides
growth rate 4242
nutrient content 4243
rain 822
surfactants 822
survival 4242
translocation 822
uptake 822
raspberries
as weeds
Canada 4242
plant competition 4242
Portugal
carrots 5016
grapes
Chamaemelum mixtum 2229
Chrysanthemum segetum 2229
Dactylis glomerata 2229
herbicide residues
atrazine 4503
persistence 4503
soil water 4503
temperature 4503
lettuces 5016
onions 5016
weed control, conferences 1323
weeds
chromosome number 3396
distribution 3396
pH 2227
soil types 2227
surveys 2227
Ulex gallii 3396
Viscum album 1680
Portulaca oleracea
biology
composition 2403
identification 3943
life cycle 3031
morphology 1575
reproduction 3031
waxes 1575
cabbages, hosts of plant pests 96
Capsicum, plant competition 3718
celery
allelopathy 1787
growth rate 1787
control
chemical control 1191, 1562, 2058, 2426, 3278, 3718, 3792, 4225, 4233, 4604
cultural control 1191, 3031, 3278
integrated control 3278, 3718, 4604
physical control 2058, 3031, 3278, 3718, 4233, 4604

Portulaca oleracea *cont.*
cucumbers, hosts of plant pests 96
ecology
Nematoda 4813
population density 3031
garlic, hosts of plant pests 96
grapes, hosts of plant diseases 2276
herbicides
bioassays 4857
residual effects 4604
surfactants 1575
hosts
bacteria 2276
fungi 2714, 3114
insects 96, 1440
viruses 1010
maize, plant competition 1191, 3718
onions
hosts of plant pests 96
plant competition 3718
Phaseolus vulgaris, hosts of plant pests 96
seeds
seed banks 2167, 3031, 3943
seed germination 897, 5016
seed longevity 3031
seed production 3031
soil depth 2167, 5016
temperature 897, 5016
sorghum
population dynamics 1795
surveys 1795
soyabeans, plant competition 3718
strawberries, allelopathy 4225
sunflowers, plant competition 3718
tomatoes, hosts of plant diseases 1010
toxicity, Nematoda 4813
utilization, nematicidal plants 2403
vegetables
emergence 3943
seasonal variation 3943
seed banks 3943
Portulacaceae
biology
reproduction 1796
taxonomy 1796
Capsicum, occurrence 1796
Pot marigolds (*see Calendula officinalis)*
Potamogeton
ecology
altitude 402
habitats 402
nutrient availability 402
population dynamics 1307
surveys 402
lakes, Poland 1307
Potamogeton amplifolius, lakes, plant communities 3863
Potamogeton crispus
biology, photosynthesis 1716
control, chemical control 1314
ecology
distribution 1701
habitats 1716
population density 1716
surveys 1701
temperature 1716
water reservoirs
China 1716
Czech Republic 1701
Potamogeton fluitans, rice, occurrence 1791
Potamogeton friesii
ecology
distribution 1701
surveys 1701
water reservoirs, Czech Republic 1701
Potamogeton gramineus
biology
buds 3869
light 3869
photoperiodism 3869
vegetative propagation 415, 3869
canals, USA 415
ecology
habitats 415, 1299
nutrient availability 1299
water quality 1299
weed associations 1299
Potamogeton lucens
biology
genetics 3874
Potamogeton lucens *cont.*
biology *cont.*
hybridization 3874
morphology 3874
ecology
algae 4741
epiphytes 4741
eutrophication 4741
nutrient availability 4741
Potamogeton natans
biology
hybridization 3874
isoenzymes 3874
morphology 3874
phenotypes 3874
reproduction 3874
vegetative propagation 3874
ecology
altitude 402
habitats 402
nutrient availability 402
surveys 402
Potamogeton nodosus
biology
hybridization 3874
isoenzymes 3874
morphology 3874
phenotypes 3874
reproduction 3874
vegetative propagation 415, 3874
canals, USA 415
control, chemical control 1314
ecology, habitats 415
Potamogeton pectinatus
biology
geotropism 1709
growth rate 1709
light 422
oxygen 1709
stems 1709
temperature 422
tubers 1709
vegetative propagation 415
canals, USA 415, 422
control, biological control 422
ecology
algae 4741
epiphytes 4741
eutrophication 4741
habitats 415
light 422
nutrient availability 4741
temperature 422
irrigation channels, USA 422
water reservoirs
heavy metals 5166
nutrient uptake 5166
seasonal variation 5166
Potamogeton perfoliatus
biology
composition 4743
fatty acids 4743
glycolipids 4743
lipids 4743
phospholipids 4743
ecology
grazing 850
growth rate 850
habitats 1299
insects 850
nutrient availability 1299
population dynamics 850
water quality 1299
weed associations 1299
lakes, plant communities 3863
streams, Denmark 850
water reservoirs
heavy metals 5166
nutrient uptake 5166
seasonal variation 5166
Potatoes (*Solanum tuberosum*)
Amaranthus retroflexus
emergence 3929
Italy 1590
nutrient uptake 936
plant competition 936, 3929
USA 3929
yields 936
Ambrosia artemisiifolia
nutrient uptake 936
plant competition 936
Potatoes *cont.*
Ambrosia artemisiifolia cont.
yields 936
Anthemis arvensis, surveys 2221
as weeds
cereals, UK 4611, 5101
control
chemical control 309, 4611, 5101
physical control 4987, 5101
herbicides, application date 4611
Phaseolus vulgaris, UK 309
sugarbeet, UK 5101
weed control
application date 5101
haulms 4987
weather 5101
Belarus 2461
Bhutan 50
Canada 312, 5078
Chenopodium album
control 3935
emergence 3929
nutrient uptake 936
plant competition 936, 3929, 3935
Poland 3935
population density 3935
surveys 2221
USA 3929
yields 936, 3935
Cirsium arvense, surveys 2221
Echinochloa crus-galli
control 3935
nutrient uptake 936
plant competition 936, 3935
Poland 3935
population density 3935
surveys 2221
yields 936, 3935
Elymus repens
Canada 2205
plant competition 2205
population density 2205
surveys 2221
tubers 2205
yields 2205
Fallopia convolvulus
nutrient uptake 936
plant competition 936
yields 936
Galinsoga parviflora, surveys 2221
Germany 496, 3757
herbicides
adenosinetriphosphatase 2370
adjuvants 4125
application date 313, 674, 1631, 2479, 3804, 3806, 4216, 5077
application methods 313, 3324, 4216, 5077
application rates 313-314, 674, 1631, 1728, 3324, 3774, 3805, 4125, 4216, 5077-5078
chlorophyll 312
chlorosis 2479
climate 1217
damage 312, 314, 1217, 1630-1631, 2479, 3805, 5078
degradation 1944, 4479
desiccation 3804
economics 1177, 2481, 3324, 4651, 5077
environmental impact 2807, 3597, 3745
enzymes 2370, 2790
fatty acids 1944
flowering 312
gene expression 2790
growth rate 312
life cycle 3804
lipids 1944
mitochondria 2370
mode of action 2370, 2790
morphology 1217
necrosis 2479
nutrient uptake 4650
oxygen 2370
pigments 1217
plant diseases 2338
plant disorders 1217
plant growth regulators 658
quality 312, 1177, 1631, 5078
residual effects 314

Potatoes *cont.*
herbicides *cont.*
residues 2728, 2734, 3142, 4079, 4479, 4871
rooting 658
starch 674
sucrose 658
tolerance 312, 1630, 2461, 2479, 3745, 4553
tubers 312, 1177, 1631, 2479, 2734, 3322, 3326, 4650
usage 1984
variety trials 312, 674, 2479, 3805
yields 1177, 1630-1631, 2048, 2479, 2481-2482, 3258, 3322, 3326, 3805, 4216, 4650-4651, 5078
India 1104, 2048, 2480-2482, 2484, 3142, 3322, 3326, 4215, 4650-4651
Kazakhstan 2461
Kyrgyzstan 2461
Latvia 2461
Moldova 2461
Mollugo verticillata
nutrient uptake 936
plant competition 936
yields 936
Netherlands 1177
Orobanche
damage 2933
host parasite relationships 2933
Panicum capillare
nutrient uptake 936
plant competition 936
yields 936
Panicum miliaceum, occurrence 2673
Poaceae, chemical control 2073
Poland 724, 4079, 4125, 4216, 5031
Polygonaceae, surveys 2221
Polygonum aviculare, Italy 1590
Romania 3803
Russia 2461, 2483, 3806
Setaria faberi
nutrient uptake 936
plant competition 936
yields 936
Sinapis arvensis, surveys 2221
Solanum nigrum, Italy 1590
Solanum pyracanthum
nutrient uptake 936
plant competition 936
yields 936
Solanum sarrachoides
emergence 3929
plant competition 3929
USA 3929
Solanum viarum
hosts of plant diseases 2275
hosts of plant pests 2275
Sorghum halepense
plant competition 2213
population density 2213
tubers 2213
yields 2213
Stellaria media, surveys 2221
Tajikistan 2461
Turkmenistan 2461
UK 92
Ukraine 2461, 3258
USA 936, 1089, 1630-1631
Uzbekistan 2461
weed control
chemical control 3241
damage 3757
economics 1320, 2480-2481, 4594
environmental impact 1320, 3597
extension 1728
nutrient uptake 2484, 4650
physical control 3241
quality 3929
tubers 3322, 3326, 4650
yields 2048, 2480-2482, 3322, 3326, 3757, 3929, 3935, 4215, 4650
weeds
chemical control 721, 724, 1177, 3323, 3325, 3745, 5077
control 50, 496, 873, 1320, 1588, 2484
cultural control 50, 5076
emergence 3929
hosts of plant diseases 92
integrated control 3325

Potatoes *cont.*
weeds *cont.*
nutrient uptake 2048, 2484
physical control 3325
plant competition 3929
population dynamics 1320, 2221
research 5075
surveys 50, 1728
yields 2048
Potentilla
amenity and recreation areas, surveys 1407
canal banks, surveys 1407
ditch banks, surveys 1407
ecology, habitats 1407
grasslands, surveys 1407
maize, surveys 1407
rice, surveys 1407
rivers, surveys 1407
roadsides, surveys 1407
streams, surveys 1407
swamps, surveys 1407
vegetables, surveys 1407
walls, surveys 1407
waste land, surveys 1407
wheat, surveys 1407
Potentilla anserina
biology
carbohydrates 1769
growth rate 1769, 3939
translocation 1769
vegetative propagation 1769
ecology
habitats 1769
light 1769
population dynamics 3939
Potentilla arguta
Dodecatheon meadia
distribution 951
habitats 951
population density 951
Equisetum laevigatum
distribution 951
habitats 951
population density 951
grasslands
distribution 951
habitats 951
population density 951
Pedicularis canadensis
distribution 951
habitats 951
population density 951
Phlox glaberrima
distribution 951
habitats 951
population density 951
Pycnanthemum virginianum
distribution 951
habitats 951
population density 951
Potentilla egedii
cranberries
fruits 1395
pigments 1395
plant competition 1395
population density 1395
quality 1395
size 1395
USA 1395
yields 1395
Potentilla pacifica, control, biological control 4224
Potentilla reptans
biology
carbohydrates 1769
growth rate 1769
translocation 1769
vegetative propagation 1769
ecology
habitats 1769
light 1769
Potentilla simplex
biology
growth rate 1768
vegetative propagation 1768
ecology
habitats 1768
nutrient availability 1768
spatial distribution 1768

Power lines
weed control
economics 3392
wildlife 3392
weeds
chemical control 3392
control 814
Power stations
India 3503
weeds, species diversity 3503
Prairies
Euphorbia esula, USA 2457
herbicides
damage 2457
economics 2457
yields 2457
Schizachyrium scoparium, USA 1770
Pretilachlor
application date, rice 292, 1609
application rates, rice 292, 4569, 5048
bioassays, algae 3682
chemistry, new products 3299
control
Ammania baccifera, rice 4629
aquatic weeds, rice 2028
Cynodon dactylon, rice 4629
Cyperus difformis, rice 1609, 4191, 4629, 5048
Cyperus iria, rice 4191, 5048
Cyperus rotundus, rice 4629
Digitaria debilis, rice 1609
Digitaria sanguinalis, rice 4629
Echinochloa colonum, rice 4191, 4629, 5048
Echinochloa crus-galli, rice 1608, 2028, 4191, 4629, 5048
Eclipta prostrata, rice 4629
Fimbristylis miliacea, rice 4629
Hymenachne amplexicaulis, rice 1198
Leptochloa caerulescens, rice 1609
Leptochloa chinensis, rice 4191, 5048
Lindernia procumbens, rice 1608
Lippia nodiflora, rice 4629
Ludwigia, rice 1609
Ludwigia adscendens, rice 4191, 5048
Ludwigia parviflora, rice 4629
Marsilea quadrifolia, rice 4191, 5048
Monochoria vaginalis, rice 5048
Panicum repens, rice 4191
Phyllanthus niruri, rice 4629
Rotala indica, rice 1608
Sagittaria pygmaea, rice 1608
Sphenoclea zeylanica, rice 1609
weeds, rice 292, 1198, 1608, 2025, 2027-2028, 3294, 3296, 3298-3299, 4191, 4629, 5041, 5048, 5053
damage, rice 1198, 1609, 4569
economics, rice 1609, 5048
growth rate, algae 3682
interactions, herbicides 2027
leaves, rice 4569
nutrient uptake
Cyperus difformis 4191
Cyperus iria 4191
Echinochloa colonum 4191
Echinochloa crus-galli 4191
Leptochloa chinensis 4191
Ludwigia adscendens 4191
Marsilea quadrifolia 4191
Panicum repens 4191
rice 5053
phytoalexins, rice 4569
residues, river water 3682
toxicity, rats 4488
yield components, rice 4191, 4629
yields, rice 292, 1609, 2025, 2027-2028, 3294, 3296, 3298, 4191, 4629, 5041, 5048, 5053
Primisulfuron
adjuvants
Bromus inermis 4752
Dactylis glomerata 4752
Digitaria sanguinalis 4123
Elymus repens 1319
Festuca arundinacea 4752
lucerne, as weeds 4752
maize 4625
Panicum dichotomiflorum 4123
Phalaris arundinacea 4752

Primisulfuron *cont.*
adjuvants *cont.*
Phleum pratense 4752
Poa pratensis 4752
Setaria faberi 1319
Setaria verticillata 4123
sugarcane 788
Trifolium pratense 4752
analytical methods
gas chromatography 4068
gas liquid chromatography 1868
mass spectrometry 1868
nuclear magnetic resonance 1868
antagonism, maize 4625
application
application equipment 3117
cleaning 3117
environmental impact 869
application date
Digitaria sanguinalis 4123
maize 5036
Panicum dichotomiflorum 4123
Setaria verticillata 4123
sugarcane 788, 1229
application rates
Elymus repens 1319
Setaria faberi 1319
sugarcane 788
bioassays
Sinapis alba 4068
sorghum 4068
chemistry, chemical properties 3117
control
Abutilon theophrasti 3237
Bromus inermis 4752
Chenopodium album 3237
Cyperus rotundus 2604
Dactylis glomerata 4752
Digitaria sanguinalis 4123
maize 4625
Echinochloa crus-galli 3237
Elymus repens 1319
maize 290
Eriochloa villosa, maize 4625
Festuca arundinacea 4752
lucerne, as weeds 4752
Orobanche cernua, sunflowers 1643
Panicum dichotomiflorum 4123
Panicum miliaceum, maize 4625
Phalaris arundinacea 4752
Phleum pratense 4752
Poa pratensis 4752
Rottboellia cochinchinensis, sugarcane 788
Setaria faberi 1319, 3237
maize 4625
Setaria verticillata 4123
Solanum carolinense, maize 1599
Sorghum halepense
maize 2012, 3117, 5036
sugarcane 1229
Trifolium pratense 4752
weeds, maize 3117, 3277, 3771, 4123
cytochrome P-450, maize 1124
damage 3117
maize 3237, 4625
sunflowers 1643
degradation, maize 1124
environmental impact, maize 3277
high volume spraying, maize 5036
interactions
adjuvants 1319, 4123, 4625, 4752
fertilizers 1319, 4625
herbicides 4625
insecticides 1124, 3237
safeners 3237
surfactants 1319, 4625
legislation, Italy 3117
low volume spraying, maize 5036
population density, *Solanum carolinense* 1599
properties, physical properties 3117
registration, Italy 3117
relative humidity
Elymus repens 1319
Setaria faberi 1319
residual effects 3117
residues
soil 618, 1868, 3659, 4068, 4533
water 1868
wheat 1868

Primisulfuron *cont.*
safeners, maize 3237
soil
degradation 3659, 4068
earthworms 618
fungi 4533
movement 618, 3659
persistence 3659, 4068
soil water 4068
sorption 618
temperature 4068
volatilization 3659
spot spraying, maize 5036
sugars, sugarcane 1229
surfactants
Elymus repens 1319
maize 4625
Setaria faberi 1319
susceptibility, maize 3237
tolerance
maize 3237
sugarcane 788
toxicity, fungi 4533
translocation
Elymus repens 1319
Setaria faberi 1319
uptake
Elymus repens 1319
Setaria faberi 1319
yields
maize 1599, 3277, 4625
sugarcane 788, 1229
sunflowers 1643
Proboscidea louisianica
biology, water relations 31
control, chemical control 3830
cotton
plant competition 31, 3830
soil water 31
water relations 31
Proceedings (*see* Conferences)
Prodiamine
application date
Poa pratensis 2096-2097
sugarcane 789, 1229
application methods, sugarcane 789
application rates
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Cynodon transvaalensis × *C. dactylon* 3377
Echinacea purpurea 2098
Festuca 3378
Festuca arundinacea 3377
Gaillardia aristata 2098
Lolium perenne 3378
Parthenium argentatum 4238
Poa pratensis 2096-2097, 3378
Rudbeckia hirta 2098
sugarcane 789
control
Amaranthus hybridus 3389
Ambrosia artemisiifolia, roadsides 3389
Calystegia sepium 3451
carrots, as weeds, roadsides 3389
Centaurea maculosa, roadsides 3389
Chenopodium album 3389
Cyperus esculentus 3389
Digitaria ischaemum
Festuca 3378
Lolium perenne 3378
Poa pratensis 2096, 3378
Digitaria sanguinalis, Poa pratensis 2096
Euphorbia maculata
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
Lactuca serriola, roadsides 3389
Oxalis stricta 3389
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
parsnips, as weeds, roadsides 3389
Rottboellia cochinchinensis, sugarcane 789

Prodiamine *cont.*
control *cont.*
Setaria faberi, roadsides 3389
Sorghum halepense, sugarcane 1229
Taraxacum officinale 3389
roadsides 3389
weeds, *Parthenium argentatum* 4238
damage
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Cynodon transvaalensis × *C. dactylon* 3377
Echinacea purpurea 2098
Festuca arundinacea 3377
Gaillardia aristata 2098
lawns and turf 1242
Poa pratensis 2096-2097
Rudbeckia hirta 2098
sugarcane 789
growth rate, *Calystegia sepium* 3451
population density, *Parthenium argentatum* 4238
sugars, sugarcane 1229
tolerance
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Cynodon transvaalensis × *C. dactylon* 3377
Echinacea purpurea 2098
Festuca arundinacea 3377
Gaillardia aristata 2098
Rudbeckia hirta 2098
yields, sugarcane 1229
Prodifox 1655
Prometon
analytical methods
chromatography 4576
ELISA 1875
application, surfactants 4576
interactions, surfactants 4576
residues, water 1875
Prometryn
analytical methods 4928
chromatography 4576
ELISA 1875
fluorescence 1034
thin layer chromatography 1034, 4015
application, surfactants 4576
application date
Pimpinella anisum 4702
sunflowers 785, 2061
chemistry
degradation 3549, 4928
oxidation 3549
control
Amaranthus palmeri, cotton 333
Amaranthus powellii, sunflowers 2061
Ambrosia artemisiifolia, sunflowers 2061
Anagallis arvensis, Pimpinella anisum 4702
Capsella bursa-pastoris, Coriandrum sativum 4252
Chenopodium album
Coriandrum sativum 4252
lentils 4185
Pimpinella anisum 4702
Convolvulus arvensis, Coriandrum sativum 4252
Cyperus rotundus, lentils 4185
Echinochloa colonum, lentils 4185
Echinochloa crus-galli
lentils 4185
sunflowers 2061
Fallopia convolvulus
oats 4622
Vicia sativa 4622
Fumaria officinalis
oats 4622
Vicia sativa 4622
Ipomoea, cotton 3830
Kochia scoparia, cotton 333
Lamium amplexicaule
oats 4622
Vicia sativa 4622
Lamium purpureum, Coriandrum sativum 4252
Melilotus indica, Pimpinella anisum 4702

Prometryn *cont.*
control *cont.*
Phalaris canariensis, Pimpinella anisum 4702
Pharbitis hederacea, cotton 2516
Polygonum aviculare
oats 4622
Pimpinella anisum 4702
Vicia sativa 4622
weeds
beetroots 3723
cabbages 3723
carrots 2483, 3723
Coriandrum sativum 295, 4252
cotton 333, 1660, 3830
lentils 4185
oats 4622
Pimpinella anisum 4702
sesame 3820
sunflowers 2061
Vicia sativa 4622
damage
cotton 1660
oats 4622
Pimpinella anisum 4702
sunflowers 785
Vicia sativa 4622
economics
cotton 333
lentils 4185
growth rate
Coriandrum sativum 295, 4252
sesame 3820
sunflowers 2061
interactions
fertilizers 4479
fungicides 4015
herbicides 1660, 2061
insecticides 4015
surfactants 4576
nontarget effects
algae 4050
bacteria 4050
Crustacea 4050
plant height
sesame 3820
sunflowers 2061
population density, *Coriandrum sativum* 4252
population dynamics
oats 4622
Vicia sativa 4622
rain, sunflowers 785
residues
atmosphere 3578
groundwater 3549
potatoes 4479
precipitation 3578
soil 3723
tap water 4928
water 1875, 4050
selectivity, sunflowers 785, 2061
soil
Actinomycetales 3723
bacteria 3723
microorganisms 3723
nitrogen fixation 3723
tolerance
garlic 3331
oats 4622
Valeriana officinalis 4250
Vicia sativa 4622
toxicity
algae 4050
bacteria 4050
Crustacea 4050
water
degradation 3549
oxidation 3549
water purification 4928
yields
cotton 333, 2516, 3830
lentils 4185
sesame 3820
sunflowers 785, 2061
Propachlor
adjuvants, onions 4654
application
application methods 2803
application rates 2803
safety 2803
Propachlor *cont.*
application date, sorghum 4182
application rates, onions 4654
chemistry, chemical properties 2803
control
Amaranthus retroflexus, sorghum 4182
Chenopodium album
Chenopodium quinoa 295
sorghum 4182
Echinochloa crus-galli, sorghum 4182
Solanum nigrum, sorghum 4182
weeds
Chenopodium quinoa 295
Limnanthes alba 4234
onions 2486, 4654
damage
Chenopodium quinoa 295
Limnanthes alba 4234
onions 2486, 4654
sorghum 4182
interactions
adjuvants 4654
herbicides 4182, 4654
legislation, Poland 2803
rain, onions 2486
registration, Poland 2803
residues
lakes 582
soil 582, 4065
water 582, 4065
soil
degradation 4065
persistence 4065
pH 4065
runoff 582
soil types 4065
temperature 4065
tolerance, *Limnanthes alba* 4234
toxicity, rats 600
water
degradation 4065
persistence 4065
pH 4065
temperature 4065
yields, onions 4654
Propanil
amidase
Echinochloa colonum 3220, 4094
rice 3220
analytical methods
bioassays 129
biosensors 129
application date
Echinochloa colonum 4094
rice 1609, 2024, 4192
application methods, rice 3784
application rates
Echinochloa crus-galli 1576
rice 1201, 2024
bioassays, algae 129
chemistry, synthesis 4057
chlorophyll, algae 660
climate, rice 4192
control
algae, rice 2016
Alisma, rice 4192
aquatic weeds, rice 4192
Cyperus difformis, rice 1609
Digitaria debilis, rice 1609
Echinochloa colonum, rice 1202
Echinochloa crus-galli 1576
rice 1202, 2024, 3784
Fimbristylis miliacea, rice 1201
Heteranthera, rice 4192
Heteranthera limosa, rice 752
Heteranthera reniformis, rice 752, 2436
Hymenachne amplexicaulis, rice 1198
Ischaemum rugosum, rice 1201
Leptochloa caerulescens, rice 1609
Leptochloa fascicularis, rice 1202
Ludwigia, rice 1609
Luziola spruceana, rice 1202
rice, as weeds, rice 1201
Sagittaria guyanensis, rice 1201
Sphenoclea zeylanica, rice 1609
weeds, rice 1198, 1200, 2017, 2025, 2027, 3787, 4192
damage, rice 1198, 1609, 2017, 4192
degradation, *Echinochloa colonum* 4094
Propanil *cont.*
economics, rice 1609, 3784
environmental impact, rice 3144
enzymes
Echinochloa colonum 3220, 4094
rice 3220
fluorescence, algae 660
formulations
emulsifiable concentrates 2024
powders 2024
growth rate
algae 660
Echinochloa crus-galli 1576
interactions
herbicides 752, 1576, 2024, 2027, 3784, 3787, 4019, 4192
insecticides 4094
leaves
Ageratum conyzoides 3186
Cyperus rotundus 3186
Echinochloa colonum 3186
rice 3186
morphology
Ageratum conyzoides 3186
Cyperus rotundus 3186
Echinochloa colonum 3186
rice 3186
nitrogen, rice 2017
nontarget effects, aquatic invertebrates 4057
nutrient uptake, rice 2017
photosynthesis, algae 660
reproduction, algae 660
residues
foods 2731
groundwater 3140
soil 1100
waste water 660
water 2731
resistance
Ageratum conyzoides 3186
Cyperus rotundus 3186
Echinochloa colonum 3186, 3220, 4094
Echinochloa crus-galli 2024
Heteranthera limosa 752
Heteranthera reniformis 752
roots
Ageratum conyzoides 3186
Cyperus rotundus 3186
Echinochloa colonum 3186
rice 3186
soil
bacteria 1100
biodegradation 1100
stomata
Ageratum conyzoides 3186
Cyperus rotundus 3186
Echinochloa colonum 3186
rice 3186
susceptibility, *Echinochloa colonum* 4094
synergism, *Echinochloa crus-galli* 1576
tolerance, rice 3186, 4192
toxicity
algae 660
aquatic invertebrates 4057
fishes 1478
translocation
Ageratum conyzoides 3186
Cyperus rotundus 3186
Echinochloa colonum 3186
rice 3186
uptake
Ageratum conyzoides 3186
Cyperus rotundus 3186
Echinochloa colonum 3186, 4094
rice 3186
waxes
Ageratum conyzoides 3186
Cyperus rotundus 3186
Echinochloa colonum 3186
rice 3186
yields, rice 1200, 1609, 2017, 2025, 2027, 3784, 3787
Propaquizafop
application
application methods 2400
application rates 2400
environmental impact 2400
application date
cotton 4236

Propaquizafop *cont.*
application date *cont.*
sugarbeet 2073
application rates
cotton 4236
faba beans 4210
sugarbeet 2073
chemistry, chemical properties 2400
composition, tobacco 2514
control
Alopecurus myosuroides
garlic 2487
onions 2487
Avena
garlic 2487
onions 2487
Avena sterilis, faba beans 4210
Chenopodium, Lotus corniculatus 1623
Cirsium arvense, Lotus corniculatus 1623
Digitaria
garlic 2487
onions 2487
Echinochloa
garlic 2487
onions 2487
Elymus repens, sugarbeet 2073
Lolium rigidum
garlic 2487
onions 2487
Phalaris
garlic 2487
onions 2487
Poaceae
flax 2073
potatoes 2073
rape 2073
sugarbeet 2073
Setaria
garlic 2487
onions 2487
Sorghum halepense
cotton 4236
tobacco 2514
weeds 2400
Lotus corniculatus 1623
Trifolium repens 1623
cross resistance, *Lolium rigidum* 2253
damage
faba beans 4210
Lotus corniculatus 1623
Trifolium repens 1623
growth rate, tobacco 2514
legislation, Poland 2400
mode of action 2400
population density, *Avena sterilis* 4210
registration, Poland 2400
resistance, *Lolium rigidum* 2253
selectivity
grain legumes 2487
oilseed plants 2487
ornamental plants 2487
vegetables 2487
yields
cotton 4236
tobacco 2514
Proparginols, fluorophenyl- 1859
Propazine
analytical methods
chromatography 4576
ELISA 1875
extraction 571, 4459
gas chromatography 4459
HPLC 571
application, surfactants 4576
control
Amaranthus palmeri, fallow 333
Kochia scoparia, fallow 333
weeds
fallow 333
Zantedeschia albomaculata 4249
economics, cotton 333
interactions, surfactants 4576
residues
atmosphere 3578
lakes 582
precipitation 3578
river water 571
soil 582, 1098
surface water 1098
Propazine *cont.*
residues *cont.*
water 571, 582, 1875
soil
degradation 1098
runoff 582, 1098
tubers, *Zantedeschia albomaculata* 4249
yields
cotton 333
Zantedeschia albomaculata 4249
Propham
adenosinetriphosphatase
potatoes 2370
turnips 2370
enzymes
potatoes 2370
turnips 2370
membrane potential
oats 195
wheat 195
mitochondria
potatoes 2370
turnips 2370
mode of action
oats 195
potatoes 2370
turnips 2370
wheat 195
oxygen
potatoes 2370
turnips 2370
residues, soil 182
soil
microbial degradation 182
microorganisms 182
mineralization 182
Propionamides, pyridinyloxyphenoxy- 1449
Propionate, butyl (*R*)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]- 3189-3190
Propionate, 2-propynyl 2-[4-(3,5-dichloro-2-pyridyloxy)phenoxy]- 195
Propionic acid, 2-(2-naphthyloxy)- 3702
Propyzamide
application date
Cynodon dactylon 812
Lolium perenne 812
application rates
Cynodon dactylon 812
Lolium perenne 812
control
Bromus tectorum, grasslands 2458
cereals, as weeds, rape 2498
Fallopia convolvulus
oats 4622
Vicia sativa 4622
Fumaria officinalis
oats 4622
Vicia sativa 4622
Galium aparine, rape 2498
Lamium amplexicaule
oats 4622
Vicia sativa 4622
Lolium perenne
Cynodon dactylon 1244
Zoysia japonica 1244
Orobanche 2978
Papaver, rape 2498
Poaceae
chickpeas 4648
lentils 4648
rape 2498
Polygonum aviculare
oats 4622
Vicia sativa 4622
Sinapis arvensis, rape 2498
Stellaria media, rape 2498
weeds
apples 318
black currants 318
chickpeas 2476, 4648
chicory 4220
Coriandrum sativum 295
fallow 968
groundnuts 3354
hops 318
lentils 4648
Limnanthes alba 4234
Lotus corniculatus 4203
oats 4622
ornamental plants 318
Propyzamide *cont.*
control *cont.*
weeds *cont.*
Pinus halepensis 5115
planting stock 5115
rape 2498
raspberries 318
strawberries 318
Vicia sativa 4622
cytology, oats 217
damage
almonds 3818
Cynodon dactylon 812, 1244
groundnuts 3354
lawns and turf 1242
Limnanthes alba 4234
Lolium perenne 812
oats 4622
Vicia sativa 4622
Zoysia japonica 1244
degradation
Amaranthus retroflexus 4092
chicory 4092
economics
Pinus halepensis 5115
planting stock 5115
emergence, oats 4622
establishment, *Lotus corniculatus* 4203
growth rate, *Coriandrum sativum* 295
interactions, herbicides 4622, 4648
microtubules, oats 217
mitosis, oats 217
mode of action, oats 217
plant breeding, tolerance 212
population dynamics
oats 4622
Vicia sativa 4622
quality, chicory 4220
residual effects 2476
residues, soil 1082, 3622, 3818, 4918
resistance, *Avena fatua* 985
roots, chicory 4220
soil
leaching 1082
persistence 1082
photolysis 1082
soil types 4918
soil water 4918
sorption 1082, 3622, 4918
volatilization 1082
tolerance
chickpeas 212, 2476
chicory 4092
Limnanthes alba 4234
oats 4622
Vicia sativa 4622
translocation
Amaranthus retroflexus 4092
chicory 4092
uptake
Amaranthus retroflexus 4092
chicory 4092
yield components, *Lotus corniculatus* 4203
yields
chickpeas 4648
chicory 4220
groundnuts 3354
lentils 4648
Proso millet *(see Panicum miliaceum)*
Prosopis, control, biological control 367
Prosopis glandulosa
control, chemical control 1257, 2530
herbicides
air assisted sprayers 2530
application rates 1257
damage 2530
deposition 2530
droplet size 1257
nozzles 2530
surfactants 2530
translocation 2530
uptake 2530
hosts, insects 366
USA 366, 1257
Prosopis glandulosa* var. *glandulosa
biology, hybridization 367
hosts, insects 367
South Africa 367

Prosopis juliflora
Albizia lebbeck
allelopathy 5139
growth rate 5139
roots 5139
seed germination 5139
shoots 5139
biology
allelopathins 5139
composition 5139
flowers 5139
fruits 5139
seeds 5139
grasslands, invasion 2899
maize
allelopathy 5139
growth rate 5139
roots 5139
seed germination 5139
shoots 5139
wheat
allelopathy 5139
growth rate 5139
roots 5139
seed germination 5139
shoots 5139
Prosopis juliflora* var. *glandulosa (*see Prosopis glandulosa*)
Prosopis ruscifolia, ecology, soil 1668
Prosopis torreyana
biology, hybridization 367
hosts, insects 367
South Africa 367
Prosopis velutina
biology
genetic variation 823
hybridization 367
reproduction 823
grasslands, invasion 823
hosts, insects 367
seeds, seed dispersal 823
South Africa 367
USA 823
Prosulfocarb
application date, potatoes 313
application methods, potatoes 313
application rates, potatoes 313
control, weeds, potatoes 313
damage, potatoes 1217
mode of action 313
morphology, potatoes 1217
pigments, potatoes 1217
plant disorders, potatoes 1217
Prosulfuron
application date
maize 4975
sorghum 4975
application methods
maize 4975
sorghum 4975
control
weeds
maize 4975
sorghum 4975
interactions, insecticides 4975
plant height
maize 4975
sorghum 4975
yields
maize 4975
sorghum 4975
Prunella vulgaris
biology, identification 1355
ecology, population density 1355
Prunus
ecology
plant communities 2621
weed associations 2621
Prunus amygdalus (*see* Almonds)
Prunus armeniaca (*see* Apricots)
Prunus avium (*see* Cherries)
Prunus cerasus (*see* Cherries)
Prunus dulcis (*see* Almonds)
Prunus mume (*see* Apricots)
Prunus pensylvanica
Canada 4978
herbicides
aerial application 4978
canopy penetration 4978
deposition 4978
drift 4978
Prunus persica (*see* Peaches)
Prunus serotina
control
chemical control 821, 5133
physical control 5133
forests, plant competition 821
Germany 5133
herbicides
application date 821
economics 821
tree injection 821
weed control, growth rate 5133
Prunus spinosa, hedges, occurrence 970
Psathyrostachys juncea
biology
development 3900
emergence 3900
growth rate 3900
roots 3900
variation 3900
herbicides
damage 3792
plant height 3792
seeds
seed germination 3900
seed weight 3900
soil depth 3900
USA 3792
Pseudotsuga menziesii
Acer macrophyllum
growth rate 5130
plant competition 5130
plant height 5130
USA 2520, 5130
Alnus rubra, USA 810
herbicides
application date 2520
application methods 810, 2520
damage 810
economics 810
low volume spraying 810
stump sprays 810
Pteridium aquilinum, France 4247
Rubus spectabilis, plant competition 817
weed control
application date 2520
growth rate 4247
weeds
economics 355
plant competition 355
Psidium guajava (*see* Guavas)
Psophocarpus tetragonolobus, weeds, control 305
Pteridium
biology, composition 2917
control, chemical control 3382
toxicity, carcinogens 2917
Pteridium aquilinum
Abies alba, France 4247
Abies grandis, USA 4699
Abies lasiocarpa, USA 4699
biology
biomass 1672
biomass distribution 1263
carbohydrates 1672
growth rate 1672
identification 3406
life cycle 1672
metabolism 2539
morphology 1263
nomenclature 3406
photosynthesis 1672
reproduction 1263
respiration 1672
rhizomes 1672
senescence 1672
taxonomy 3406-3407
control
biological control 383, 3407
chemical control 1249, 1964, 2537, 3407, 4246, 5056
cultural control 3407, 5056
integrated control 1249, 2537
physical control 1249, 2537, 3407, 4246, 4699
ecology 3407
climate 1672
decomposition 2539
environmental factors 1672
plant competition 2539
population dynamics 1672
Pteridium aquilinum *cont.*
ecology *cont.*
seasonal variation 2537, 2539
grasslands, Bulgaria 5056
heathlands, UK 1249
herbicides
carbohydrates 1249, 2537
composition 2537
contact angle 3229
droplet size 3229
droplet studies 3229
dry matter distribution 2537
growth rate 1249, 2537
rhizomes 1249
starch 1249
surfactants 1962, 3229
translocation 1962
uptake 1962, 3229
Picea abies, France 4247
Picea engelmannii, USA 4699
Pinus contorta, USA 4699
Pinus sylvestris
allelopathy 2539
growth rate 2539
seed germination 2539
Populus tremula
allelopathy 2539
growth rate 2539
seed germination 2539
Pseudotsuga menziesii, France 4247
seeds
seed dispersal 379
seed production 379
Sweden 2539
toxicity
animals 3407
man 3407
UK 379, 2537
weed control
carbohydrates 1249, 2537
composition 2537
dry matter distribution 2537
growth rate 1249, 2537
rhizomes 1249
starch 1249
Pteridium aquilinum* var. *esculentum
Australia 4270
biology
composition 2917
development 4270
ecology, spatial distribution 4270
Pteridium revolutum, biology, composition 2917
Pteridophyta
control
chemical control 3739
cultural control 3739
physical control 3739
herbicides, growth rate 4497
Pterocephalus perennis
Orobanche baumanniorum
Greece 394
host parasite relationships 394
Pueraria lobata
control, cultural control 3300
ecology 5110
invasion 977
population dynamics 977
surveys 977
forests, chemical control 5110
utilization 5110
Pueraria phaseoloides, *Rottboellia cochinchinensis,* Costa Rica 1604
Puerto Rico
Capsicum frutescens 1218
coffee 1232
Pulsatilla
biology
fatty acids 516
linolenic acid 516
oils 516
seeds, composition 516
Pumpkins (*see also Cucurbita* spp.)
weeds
chemical control 2410
control 775
Punica granatum (*see* Pomegranates)
Putrescine 1425
Pycnanthemum virginianum
Melilotus alba
distribution 951

Pycnanthemum virginianum *cont.*
Melilotus alba cont.
habitats 951
population density 951
Potentilla arguta
distribution 951
habitats 951
population density 951
Solidago graminifolia
distribution 951
habitats 951
population density 951
USA 951
Pyracantha
biology
flowers 462
morphology 462
pigments 462
taxonomy 462
Pyranose, 1,6-anhydro-4-*O*-benzyl-3-deoxy-2-*O*-methyl-B-D-*ribo*-hexo- 1450
Pyrazole, 5-amino-4-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)- 4563
Pyrazole, 5-chloro-1-(4-chloro-5-difluoromethoxy-2-fluorophenyl-3,4-tetramethylene- 4563
Pyrazole, 1-(4-chloro-2-fluoro-5-propargyloxyphenyl)-3,5-dimethyl-4-nitro- 4563
Pyrazoles 4563
Pyrazolynate
carbohydrates, *Sagittaria trifolia* 2834
control
Cyperus rotundus 2604
Sagittaria trifolia, rice 2834
weeds, rice 1200
cytoplasm, maize 4547
growth rate, *Sagittaria trifolia* 2834
pH, maize 4547
protoplasts, maize 4547
tubers, *Sagittaria trifolia* 2834
uptake, maize 4547
yields, rice 1200
Pyrazosulfuron
application date, rice 3789
application rates, rice 3789
carbohydrates, *Sagittaria trifolia* 2834
chemistry, new products 3299
control
Cyperus serotinus, rice 1150
Echinochloa crus-galli, rice 1608
Lindernia procumbens, rice 1608
Rotala indica, rice 1608
Sagittaria pygmaea, rice 1608
Sagittaria trifolia, rice 2834
Scirpus, rice 3789
weeds, rice 1608, 2839, 3296, 3299, 3789, 5041
damage
Capsicum 2839
cucumbers 2839
melons 2839
tomatoes 2839
growth rate
Capsicum 2839
cucumbers 2839
melons 2839
Sagittaria trifolia 2834
tomatoes 2839
morphology
Capsicum 2839
cucumbers 2839
melons 2839
tomatoes 2839
population density, *Scirpus* 3789
residual effects
Capsicum 2839
cucumbers 2839
melons 2839
tomatoes 2839
residues, soil 2839
tolerance, rice 1150
tubers, *Sagittaria trifolia* 2834
yields, rice 3296, 5041
Pyrazoxyfen
application rates
Heteranthera 752
rice 752
control
Heteranthera limosa, rice 752
Heteranthera reniformis, rice 752
Pyrazoxyfen *cont.*
interactions, herbicides 752
resistance
Heteranthera limosa 752
Heteranthera reniformis 752
Pyributicarb
control, weeds, rice 2448
formulations
granules 2448
suspensions 2448
Pyridate
amino acids, maize 3207
application date
Brussels sprouts 315
cabbages 315
groundnuts 324
maize 744, 1998
onions 315
sorghum 1607, 2434
wheat 143
application methods, maize 1998
application rates
maize 744
sorghum 2434
chemistry, new products 4450
control
Amaranthus retroflexus, maize 2826
Amaranthus spinosus, groundnuts 324
Anchusa arvensis
Brussels sprouts 315
cabbages 315
onions 315
cereals, as weeds, rape 2498
Chenopodium album
Brussels sprouts 315
cabbages 315
onions 315
Echinochloa crus-galli
maize 2826
sorghum 1607
Galium aparine
Brussels sprouts 315
cabbages 315
onions 315
rape 2498
Kochia scoparia, sorghum 2434
Papaver, rape 2498
Poaceae, rape 2498
Senecio vulgaris
Brussels sprouts 315
cabbages 315
onions 315
Sinapis arvensis, rape 2498
Solanum nigrum
Brussels sprouts 315
cabbages 315
onions 315
Stellaria media, rape 2498
Striga gesnerioides
maize 4279
sorghum 4279
Striga hermonthica
maize 4279
sorghum 4279
sunflowers, as weeds, sorghum 1607
Veronica
Brussels sprouts 315
cabbages 315
onions 315
weeds
leeks 3330
maize 744, 1998, 2826, 3771
rape 2498
damage, maize 4100
growth rate, maize 4100
interactions
fertilizers 3801
herbicides 1607, 2826, 3801
legislation, Poland 2802
meristems, maize 3207
mode of action
maize 3207
Striga gesnerioides 4279
Striga hermonthica 4279
morphology, maize 4100
photosynthesis
maize 3207
Striga gesnerioides 4279
Striga hermonthica 4279
photosystem II
Striga gesnerioides 4279
Pyridate *cont.*
photosystem II *cont.*
Striga hermonthica 4279
registration, Poland 2802
residues
maize 1998
soil 187
wheat 143
seed germination
Striga gesnerioides 4279
Striga hermonthica 4279
selectivity, sorghum 1607
soil
fungi 187
microbial activities 187
mineralization 187
nitrification 187
organic matter 187
respiration 187
tolerance
Brussels sprouts 315
cabbages 315
onions 315
variety trials, maize 4100
yields
groundnuts 324
leeks 3330
maize 744, 1998, 4100
Pyridazine, imidazo[1,2-*b*]- 2282
Pyridazinone, 4-chloro-5-(dimethylamino)-2-phenyl-3-(2H)- 1547
Pyridazinone, 4-chloro-5-(dimethylamino)-2-phenyl-3-(2*H*)- 3213
Pyridazinone herbicides
bioassays, rape 1547
embryo culture, rape 1547
enzymes, rape 1547
fatty acids, rape 1547
lipids, rape 1547
metabolism, rape 1547
Pyrimidine, triazolo- 4108
Pyrimidines, dihydrocyclopenta[*d*]- 1862
Pyrimidines, furo[3,2-*d*]- 1862
Pyrithiobac
antagonism, cotton 5108
binding sites, peas 4570
control
Abutilon theophrasti, cotton 5109
Amaranthus hybridus, cotton 5109
Brachiaria platyphylla, cotton 5108
Digitaria sanguinalis, cotton 5108
Echinochloa crus-galli, cotton 5108
Eleusine indica, cotton 5108
Euphorbia humistrata, cotton 5109
Ipomoea lacunosa, cotton 5109
Pharbitis hederacea, cotton 5109
Sida spinosa, cotton 5109
Solanum nigrum, cotton 5107
Solanum sarrachoides, cotton 5107
Sorghum halepense, cotton 5108
enzymes, peas 4570
interactions, herbicides 5107-5109
pyruvic acid, peas 4570
thiamin phosphates, peas 4570
Pyrus communis (*see* Pears)
Pyrus pyrifolia (*see* Pears)
Quamoclit coccinea
control, chemical control 426
herbicides
adjuvants 426
resistance 426
Quamoclit hederifolia
biology
anthers 1351
development 1351
embryology 1351
ovaries 1351
seeds, embryos 1351
Quercus
Artemisia tridentata
fire effects 3057
plant communities 3057
regrowth 3057
Bromus tectorum
fire effects 3057
plant communities 3057
regrowth 3057
Chenopodium album
fire effects 3057
plant communities 3057
regrowth 3057

Quercus *cont.*
Chenopodium leptophyllum
fire effects 3057
plant communities 3057
regrowth 3057
control
chemical control 351, 821, 4707
physical control 351
forests, plant competition 821
Galium aparine
fire effects 3057
plant communities 3057
regrowth 3057
herbicides
aerial application 4707
application date 821
application methods 4707
economics 821
tree injection 821
Holcus mollis, France 30
Pinus taeda
growth rate 351
plant competition 351
plant height 351
yields 351
Polygonum ramosissimum
fire effects 3057
plant communities 3057
regrowth 3057
USA 3057
Verbascum thapsus
fire effects 3057
plant communities 3057
regrowth 3057
weeds, species diversity 3057
Quercus acutissima
herbicides, tolerance 341
USA 341
weeds, plant competition 341
Quercus falcata
herbicides
translocation 193
uptake 193
water relations 193
Quercus imbricaria
control, chemical control 4707
herbicides
aerial application 4707
application methods 4707
Quercus macrocarpa
Canada 2347
herbicides
enzymes 2347
glutamate-ammonia ligase 2347
growth rate 2347
nitrate reductase 2347
nitrogen metabolism 2347
weed control
enzymes 2347
glutamate-ammonia ligase 2347
growth rate 2347
nitrate reductase 2347
nitrogen metabolism 2347
Quercus nigra
control
chemical control 352
cultural control 352
integrated control 352
herbicides
application rates 4695
leaves 4695
plant diseases 4695
population density 3371
tolerance 341
translocation 193
uptake 193
water relations 193
Pinus taeda
growth rate 352
plant competition 352
USA 341
weeds, plant competition 341
Quercus nuttallii
herbicides, tolerance 341
USA 341
weeds, plant competition 341
Quercus pagoda
herbicides, tolerance 341
USA 341
weeds, plant competition 341
Quercus palustris
herbicides, tolerance 341
USA 341
weeds, plant competition 341
Quercus phellos
control
chemical control 352
cultural control 352
integrated control 352
herbicides, tolerance 341
Pinus taeda
growth rate 352
plant competition 352
USA 341
weeds, plant competition 341
Quercus pubescens
Italy 5112
weed control
economics 5112
growth rate 5112
mortality 5112
Quercus rubra
Canada 668, 5113
herbicides
enzymes 668
growth rate 668
nitrate reductase 668
nitrates 668
nutrient availability 668
tolerance 341
USA 341, 5122
weed control
browsing 5113
injuries 5113
weeds
browsing 5113
chemical control 5122
injuries 5113
plant competition 341, 5113, 5122
Quercus serrata
Miscanthus sinensis
light 4788
plant competition 4788
Quercus stellata
control, chemical control 820, 5137
herbicides
application date 820, 5137
carriers 820, 5137
USA 5137
Quercus velutina
control, chemical control 820, 5137
herbicides
application date 820, 5137
carriers 820, 5137
USA 5137
Quercus virginiana
Cassia obtusifolia, USA 3376
Eleusine indica, USA 3376
herbicides, damage 3376
Oenothera laciniata, USA 3376
Quinces (*Cydonia oblonga*)
weeds, chemical control 2056
Quinclorac
anatomy, *Echinochloa crus-galli* 1523
application date
Agrostis stolonifera 2094
Cynodon dactylon 1245
Cynodon transvaalensis × *C. dactylon* 1245
Festuca arundinacea 2895
rice 2024, 4194
sugarcane 789
application methods
Festuca arundinacea 2895
sugarcane 789
application rates
Agrostis stolonifera 2094
Cynodon dactylon 1245
Cynodon transvaalensis × *C. dactylon* 1245
Echinochloa crus-galli 1576
rice 1523, 2024, 2445, 4194
sugarcane 789
bioassays, vegetables 2405
chemistry, new products 3299
chlorophyll
Echinochloa crus-galli 4091
tomatoes 2765
composition, *Echinochloa crus-galli* 4091
control
Bromus secalinus, wheat 3758
Quinclorac *cont.*
control *cont.*
Digitaria
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
Digitaria sanguinalis
Cynodon dactylon 357, 1245
Cynodon transvaalensis × *C. dactylon* 1245
Festuca arundinacea 2895
Poa pratensis 2093
Echinochloa crus-galli 1576
rice 646, 2024, 4194
Eleusine indica
Cynodon dactylon 356-357
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356, 2093
Zoysia 356
Ipomoea wrightii, rice 4194
Rottboellia cochinchinensis, sugarcane 789
Sesbania exaltata, rice 4194
Trifolium repens
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
weeds, rice 2405, 2445, 2839, 3298-3299
cyanide, *Echinochloa crus-galli* 4091
damage
Agrostis stolonifera 2094
Buchloe dactyloides 1615
Capsicum 2839
cucumbers 2839
Cynodon dactylon 356-357, 1245
Cynodon transvaalensis × *C. dactylon* 356, 1245
Festuca arundinacea 2895
golf courses 356
melons 2839
Poa pratensis 356
rice 646, 4194
sugarcane 789
tomatoes 2839
vegetables 2405
Zoysia 356
environmental impact, rice 3144
enzymes, *Echinochloa crus-galli* 1523, 4091
epinasty, tomatoes 2765
growth rate
Capsicum 2839
cucumbers 2839
Echinochloa crus-galli 1523, 1576, 4091
melons 2839
rice 3298
tomatoes 2765, 2839
hydrogen cyanide
Echinochloa crus-galli 646
rice 646
interactions
adjuvants 3758
herbicides 1576, 2024, 3758
insecticides 3758
lodging, rice 3298
membranes, *Echinochloa crus-galli* 1523
mode of action, *Echinochloa crus-galli* 4091
morphology
Capsicum 2839
cucumbers 2839
melons 2839
tomatoes 2839
plant growth regulators
Echinochloa crus-galli 646, 4091
rice 646
tomatoes 2765
plant height, *Echinochloa crus-galli* 1523
proteins, *Echinochloa crus-galli* 1523
quality, *Agrostis stolonifera* 2094

Quinclorac *cont.*
residual effects
Capsicum 2839
cucumbers 2839
melons 2839
tomatoes 2839
vegetables 2405
residues
irrigation water 2405
soil 2839
water 2405
resistance, *Echinochloa crus-galli* 1523, 2024
roots, *Echinochloa crus-galli* 4091
selectivity
Echinochloa crus-galli 646
rice 646
shoots, *Echinochloa crus-galli* 4091
soil, soil water 4194
stems, rice 3298
synergism
Echinochloa crus-galli 1576
wheat 3758
tolerance
Cynodon dactylon 356, 1245
Cynodon transvaalensis × *C. dactylon* 356, 1245
golf courses 356
Poa pratensis 356
rice 646
Zoysia 356
variety trials, wheat 3758
yields
rice 3298, 4194
wheat 3758
Quinmerac
analytical methods, ELISA 133
control
Aethusa cynapium
fodder crops 726
sugarbeet 330, 726
Galium aparine, sugarbeet 330
weeds, sugarbeet 330, 5097
interactions, herbicides 5097
residues
rye 133
soil 3633
wheat 133
soil, leaching 3633
Quinoclamine 601
control
algae, rice 1195
weeds, rice 1162
damage, rice 1195
environmental impact, rice 1162
formulations
foams 1162, 1195
granules 1162
residues
soil 1195
water 1162, 1195
soil, soil structure 1195
water
degradation 1195
movement 1162
Quinone, 2-amino-3-chloro-1,4-naphtho- 601, 2369
Quizalofop
acetyl-CoA carboxylase 1943
adjuvants
barley 1960
faba beans 1563
oats 1960
peas 1563
sugarbeet 1563
wheat, as weeds 1167
amino acids, maize 3207
antagonism 3232
barley 1960
Digitaria sanguinalis 233
oats 1960
Sorghum halepense 233
application date
Aegilops cylindrica 5127
Bromus tectorum 5127
Conyza canadensis 5127
cotton 4236
Digitaria sanguinalis 233
Echinochloa crus-galli 1721
Eriochloa gracilis 1721
potatoes 313

Quizalofop *cont.*
application date *cont.*
Sorghum halepense 233, 1721
application methods, potatoes 313
application rates
cotton 4236
Digitaria sanguinalis 233, 1811
faba beans 4210
kenaf 1662
potatoes 313
Setaria faberi 1811
Sorghum halepense 233
binding sites 1943, 3232
bioassays
barley 1960
oats 1960
cell membranes 3232
chemistry
degradation 4974
photolysis 4974
structure 1943, 3232
composition, tobacco 2514
control
Aegilops cylindrica, fallow 5127
Amaranthus retroflexus, sugarbeet 2076
Avena fatua, rape 4974
Avena sterilis, faba beans 4210
barley
as weeds 4974
rape 4974
Bromus tectorum, fallow 5127
Conyza canadensis, fallow 5127
Digitaria
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
Digitaria sanguinalis 233, 1811
Echinochloa crus-galli 1721
faba beans 1563
peas 1563
Eleusine indica
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
Elymus repens, sugarbeet 1563
Eriochloa gracilis 1721
Poaceae
kenaf 1662
sugarbeet 2076
Setaria faberi 1811
Sorghum halepense 233, 1721
cotton 4236
tobacco 2514
Trifolium repens
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
weeds
aubergines 3332
Capsicum 3332
coffee 1232
flax 4237
Lolium perenne 4195
onions 3332
Phaseolus 2860
potatoes 313
sugarbeet 2076
tomatoes 3332, 3338
Trifolium repens 4195
wheat, as weeds 1167
damage
coffee 1232
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
faba beans 1563, 4210
golf courses 356
kenaf 1662
peas 1563
Poa pratensis 356
rape 3236, 4974

Quizalofop *cont.*
damage *cont.*
sugarbeet 1563
vegetables 2860
Zoysia 356
degradation, rape 3236
economics
faba beans 1563
peas 1563
sugarbeet 1563
enzymes 1943
fatty acids, maize 3207
fibres, flax 4237
growth rate
rape 3236
tobacco 2514
interactions
adjuvants 1167, 1563, 1960
fertilizers 4974
herbicides 233, 1960, 2860, 3232, 3236
sodium bicarbonate 1960
surfactants 1167
light
barley 1960
oats 1960
meristems, maize 3207
mode of action 313, 3232
maize 3207
plant height, kenaf 1662
population density
Avena sterilis 4210
kenaf 1662
population dynamics
Agrostis capillaris 4195
Cynosurus cristatus 4195
Dactylis glomerata 4195
Holcus lanatus 4195
Phleum pratense 4195
registration, USA 1662
residual effects, vegetables 2860
resistance
Digitaria sanguinalis 1811
Setaria faberi 1811
Sorghum halepense 4409
seed production, flax 4237
tolerance
Cynodon dactylon 356
Cynodon transvaalensis × *C. dactylon* 356
golf courses 356
Poa pratensis 356
Zoysia 356
toxicity, rats 2795
yields
aubergines 3332
Capsicum 3332
coffee 1232
cotton 4236
flax 4237
kenaf 1662
onions 3332
rape 3236
sugarbeet 2076
tobacco 2514
tomatoes 3332
Quizalofop-P
application date
Brachiaria platyphylla 4582
Digitaria ciliaris 4582
Digitaria sanguinalis 4582
Eleusine indica 4582
flax 3835
Panicum texanum 4582
Sorghum halepense 4582
control
Anthemis arvensis, Oenothera biennis 4680
Apera spica-venti, Oenothera biennis 4680
Brachiaria platyphylla 4582
cotton 5108
Digitaria ciliaris 4582
Digitaria sanguinalis 4582
cotton 5108
Echinochloa crus-galli
cotton 5108
soyabeans 3312
Eleusine indica 4582
cotton 5108

Quizalofop-P *cont.*
control *cont.*
Myosotis arvensis, Oenothera biennis 4680
Panicum texanum 4582
Poa annua, Oenothera biennis 4680
Poaceae, flax 3835
Sorghum halepense 4582
cotton 5108
soyabeans 3312
Veronica dillenii, Oenothera biennis 4680
Viola arvensis, Oenothera biennis 4680
weeds, *Oenothera biennis* 4680
damage, rape 3236
degradation, rape 3236
growth rate, rape 3236
interactions, herbicides 3236, 3312, 4582, 4680, 5108
residues
goats 3595
urine 3595
resistance, *Sorghum halepense* 4409
yields
Oenothera biennis 4680
rape 3236
soyabeans 3312
R-7402 1133
Radishes (*Raphanus sativus*)
as weeds
biology
diurnal variation 3471
flowering 3471
flowers 3471
ovules 3471
pollen 3471
pollination 3471
reproduction 3471
control, biological control 107
ecology
nutrient availability 3471
seasonal variation 3471
herbicides, bioassays 3552
hosts
beneficial insects 3471
Nematoda 558
seeds
seed predation 3471
seed production 3471
sorghum
allelopathy 2223, 3179-3180
bioassays 3180
growth rate 2223, 3179
seed germination 2223, 3179-3180
sugarbeet, hosts of plant pests 558
USA 3471
Canada 5015
Chenopodium album
allelopathy 485, 1400, 1920
growth rate 485, 1400, 1920
seed germination 485, 1400, 1920
Eupatorium trapezoideum
allelopathy 2342
growth rate 2342
seed germination 2342
herbicides
amino acids 3192
application rates 4224, 4500
bioassays 3192, 4479, 4500
damage 4224
degradation 2771
economics 4604
growth rate 3192-3193, 4224, 4500
imbibition 3193
seed germination 4479
seed treatment 3193
selectivity 2771
tolerance 2771
translocation 2771
uptake 2771
yields 4604
India 4604
weed control
economics 4604
yields 4604
weeds, chemical control 2410
Railways
herbicides, application date 3391
Lepidium virginicum, spread 2632
Rumex confertus, spread 2632
Railways *cont.*
USA 3391
weeds
chemical control 3390, 3588
control 876
distribution 2632
Ramrod FLO 2803
Rangelands
Artemisia frigida
Canada 1617
economic thresholds 1617
grazing 1617
plant competition 1617
population density 1617
spread 1617
Artemisia tridentata, USA 2390, 3305
Bromus tectorum
control 2248
plant competition 2248
USA 2390
Centaurea maculosa, spread 2035
Eremophila
Australia 1207
invasion 1207
Gutierrezia sarothrae
control 2033
USA 2033
Hakea preissii
Australia 1207
invasion 1207
herbicides
economics 2458
environmental impact 2458
plant pests 4060
selectivity 2458
Nassella trichotoma, invasion 1801
Poaceae
climate 2222
cycling 2222
fire effects 2222
habitats 2222
invasion 2222
plant competition 2222
plant succession 2222
soil types 2222
species diversity 2222
USA 2222
Senna
Australia 1207
invasion 1207
Taeniatherum caput-medusae, USA 2390
USA 2455
weed control
plant communities 1207
plant pests 4060
rabbits 4060
weeds
control 4319, 5182
cultural control 3300
woody weeds
cultural control 3393
spread 3393
USA 4060
Ranunculaceae
biology
composition 515
fatty acids 515-516
leaves 515
linolenic acid 516
lipids 515
oils 516
seeds, composition 515-516
Ranunculus
amenity and recreation areas, surveys 1407
biology
chromosome number 2570
chromosomes 2570
canal banks, surveys 1407
control, physical control 1411
ditch banks, surveys 1407
ecology
altitude 402
disturbed land 1411
emergence 1411
habitats 402, 1407
nutrient availability 402
population dynamics 1411
surveys 402
grasslands, surveys 1407
maize, surveys 1407
Ranunculus *cont.*
rice, surveys 1407
rivers, surveys 1407
roadsides, surveys 1407
streams, surveys 1407
swamps, surveys 1407
vegetables, surveys 1407
walls, surveys 1407
waste land, surveys 1407
wheat, surveys 1407
Ranunculus acris
biology
aroma 4426
calyx 4426
composition 4426
corolla 4426
flowering 3909
flowers 4426
gynoecium 4426
isoprenoids 4426
leaves 2270
light 2270
photosynthesis 2270
pollen 4426
pollination 3909, 4426
respiration 2270
sesquiterpenes 4426
stamens 4426
volatile compounds 4426
control
biological control 4442
chemical control 861, 4197
ecology
climate 3909
habitats 3909
insects 3909
phenology 3909
seasonal variation 2270
temperature 2270
herbicides
cross resistance 861
resistance 861
Ranunculus auricomus
biology
flowering 3909
pollination 3909
reproduction 3909
ecology
climate 3909
habitats 3909
insects 3909
phenology 3909
Ranunculus bulbosus
biology
flowering 3909
pollination 3909
ecology
climate 3909
habitats 3909
insects 3909
phenology 3909
Ranunculus circinatus, water reservoirs, temperature 2568
Ranunculus muricatus, hosts, fungi 546
Ranunculus peltatus
biology
cytology 407
embryology 407
flowers 1712
hybridization 407
leaves 1712
morphology 407, 1712
taxonomy 1712
Denmark 407
ecology
invasion 407
surveys 407
Ranunculus penicillatus (*see Ranunculus peltatus)*
Ranunculus repens
biology
chromosomes 920
fertilization 920
flowering 3909
genes 920
genetic variation 3073
growth rate 3073, 3958
internodes 3958
morphology 3958
pollination 920, 3909
polyploidy 920

Ranunculus repens *cont.*
biology *cont.*
reproduction 920
runners 3909
stolons 3958
vegetative propagation 3909
ecology
climate 3909
disturbed land 3958
habitats 3909, 3958
insects 3909
nutrient availability 3958
phenology 3909
population dynamics 3073
Talpidae 3958
grasslands, UK 3958
Ranunculus sardous
ecology
cycling 3927
decomposition 3927
nutrient content 3927
hosts
insects 4434
viruses 4434
tomatoes
hosts of plant diseases 4434
USA 4434
utilization, green manures 3927
Ranunculus sceleratus
biology
composition 1976
enzymes 1287
growth rate 1287
lactones 1976
peroxidase 1287
plant growth regulators 1287
hosts, fungi 546
utilization, insecticidal plants 1976
Ranunculus silerifolius
hosts, bacteria 2704
rice, hosts of plant diseases 2704
Ranunculus trichophyllus
biology
flowers 1712
morphology 1712
taxonomy 1712
herbicides
bioassays 1879
photosynthesis 1879
Rape (*Brassica napus* var. *oleifera*)
Aethusa cynapium
Germany 726
plant competition 726
population density 726
yields 726
as weeds
barley
Canada 1189
plant competition 1189
Belgium 1158
biology, evolution 3687
control
chemical control 272, 276, 309, 424, 1158, 1571-1572, 1592
cultural control 47, 276, 1189
integrated control 272
physical control 47, 272
herbicides
application date 209
application rates 209, 424
emergence 209
flowering 209
growth rate 209, 424, 1572
membrane permeability 1572
morphology 424
rain 1158, 1571
seed germination 209
seed production 209
surfactants 1571-1572
translocation 1572
uptake 424, 1572
hosts, fungi 547
Phaseolus vulgaris, UK 309
rape, hosts of plant diseases 547
roadsides
disturbed land 4383
plant succession 4383
population density 4383
population dynamics 4383
UK 4383

Rape *cont.*
as weeds *cont.*
seeds
seed banks 4383
seed production 209
wheat
China 1592
Denmark 276
growth rate 482
light 482
morphology 482
plant competition 276, 482
plant height 482
variety trials 482
Avena fatua
Canada 4974
France 4816
barley, as weeds, Canada 4974
Belgium 3687
Brassica, hosts of plant diseases 547
Brassica adpressa
hosts of plant diseases 459
hybridization 459
Brassicaceae
hosts of plant diseases 547
hybridization 917
Bromus tectorum, Canada 1997
Canada 277, 2416, 2821, 3236, 4912
Capsella bursa-pastoris, hosts of plant diseases 547
Cirsium arvense
Canada 47
population density 47
Denmark 3687
Elymus repens
allelopathy 4378
Canada 47
growth rate 4378
population density 47
roots 4378
Europe 3800
Fagopyrum tataricum
Canada 1228
growth rate 1228
oils 1228
plant competition 1228
population density 1228
proteins 1228
quality 1228
seed production 1228
seed weight 1228
yields 1228
Galium aparine
growth rate 42
plant competition 42
population density 42
yields 42
Germany 2099, 3352
herbicides
adjuvants 4125
amino acids 2371
application date 2872, 4912
application rates 2415, 2453, 2872, 4125
bioassays 1547
chromosome number 4954
damage 2415, 2453, 3236, 3314, 4230, 4974
degradation 3236, 4549
drift 2453
economics 1984, 3352, 4230
electron transfer 3692
embryo culture 1547
environmental impact 3745
enzymes 2932, 4549
fatty acids 1547
growth rate 3236
lipids 1547
metabolism 1547
mode of action 4549
mutants 3692, 4107
plant communities 267
population dynamics 277
proteins 3692
residual effects 2415, 3314, 4209, 4674
residues 4549
seed germination 2453
seed oils 2453
seed weight 2453
selectivity 3201

Rape *cont.*
herbicides *cont.*
soil types 2415
species diversity 277
thylakoids 3692
tolerance 663, 942, 2371, 2453, 2787, 2932, 3201, 3687-3688, 3745, 4107, 4549
variety trials 4549
yields 260, 2415, 2453, 2821, 2872, 3236, 4209, 4673
Matricaria perforata
growth rate 42
plant competition 42
population density 42
yields 42
Poaceae, chemical control 2073
Poland 724, 2872, 4125, 4209, 4230, 4607, 4673-4674
Polygonum lapathifolium
Canada 44
plant competition 44
population density 44
yields 44
rape, as weeds, hosts of plant diseases 547
Raphanus raphanistrum
hosts of plant diseases 459
hybridization 459
Russia 2415
Setaria viridis
Canada 44
plant competition 44
population density 44
yields 44
Sinapis arvensis
Canada 942
composition 942
erucic acid 942
glucosinolates 942
linolenic acid 942
oils 942
oleic acid 942
plant competition 942
proteins 942
quality 942
seed contamination 942
yields 942
Sonchus arvensis
Canada 47
population density 47
Sonchus asper
seed production 1750
UK 1750
Stellaria media
growth rate 42
plant competition 42
population density 42
seed production 1750
UK 1750
yields 42
Switzerland 547
UK 42, 267, 2498
USA 2453
Veronica persica
growth rate 42
plant competition 42
population density 42
yields 42
weed control
application date 3352
damage 3352
economics 3352, 4594, 4607
population dynamics 277
species diversity 277
yields 260, 2821
weeds
chemical control 267, 724, 3745, 3800, 4230
cultural control 3773
distribution 267
environmental factors 3060
physical control 3773
plant competition 3773
population density 47
species diversity 47, 267
surveys 3060
yields 4607
wheat
as weeds
chemical control 260

Rape *cont.*
wheat *cont.*
as weeds *cont.*
UK 260
yields 260
Raphanus, hosts, beneficial insects 556
Raphanus raphanistrum
biology
anatomy 3034
bolting 53
development 3034
flowering 53
flowers 3034
fruits 53, 3034
growth rate 3034
hybridization 3034
identification 3034
morphology 3034
plant diseases 459
reproduction 3034
set 53
vegetative propagation 3034
cereals, chemical control 3034
control
biological control 3034
chemical control 498, 3034
cultural control 3034
physical control 3034
ecology
carbon dioxide enrichment 53
distribution 3034
genotype environment interaction 53
habitats 3034
insects 3034
introduction 3034
invasion 498
mycorrhizas 3034
phenology 3034
plant competition 3034
population dynamics 3034
spread 3034
fallow
occurrence 498
surveys 498
grain legumes, chemical control 3034
horticultural crops, chemical control 3034
hosts
beneficial insects 3034
fungi 459
lucerne, chemical control 3034
maize, chemical control 3034
millets, chemical control 3034
oilseed plants, chemical control 3034
pastures, chemical control 3034
rape
hosts of plant diseases 459
hybridization 459
seeds
seed dispersal 3034
seed germination 3034
seed production 53, 3034
Sorghum, chemical control 3034
utilization, fodder crops 3034
Raphanus sativus (*see* Radishes)
Raspberries (*Rubus idaeus* and *R. strigosus*)
as weeds
Abies balsamea
Canada 4242
plant competition 4242
biology
genetic variation 1252
genotypes 1252
growth rate 361
vegetative propagation 1252
control
chemical control 4242, 4707, 5119
physical control 361, 1411
ecology
disturbed land 361, 1411
emergence 1411
plant competition 361
population dynamics 1411
regenerative ability 361
survival 361
Picea mariana
Canada 4242, 5119-5120
growth rate 5119-5120
plant competition 4242, 5119-5120
Raspberries *cont.*
as weeds *cont.*
Picea rubens
Canada 4242
plant competition 4242
Populus tremuloides
Canada 4242
plant competition 4242
seeds, seed germination 361
Cuscuta europaea
chlorophyll 2128
flowering 2128
growth rate 2128
host parasite relationships 2128
Lithuania 2128
herbicides
desiccation 204
fruits 204
surfactants 204
weather 204
yields 204
New Zealand 1411
UK 204, 318
USA 1639, 4665
weeds
chemical control 1411
physical control 4665
Reclaimed land, herbicides, environmental impact 1914
Red beet (*see* Beetroots)
Red clover (*see Trifolium pratense)*
Red gram (*see* Pigeon peas)
Red pine (*see Pinus resinosa)*
Refuse tips
Isatis tinctoria, plant communities 2669
Senecio inaequidens, establishment 2669
Reports
Australia
Animal and Plant Control Commission 4756
Department of Primary Industries, South Australia 1728
Land Protection Branch, Queensland Department of Lands 2586
Victorian Department of Agriculture 868
Belgium
Centre for Weed Research 1320
Comite voor Onderzoek op Groentegewassen, Sectie I 862
Canada, Environmental Protection Service 3240
Guyana, National Agricultural Research Institute 864
Italy, Food and Agriculture Organization 1726, 5180
South Africa, Department of Agricultural Development 863
UK
British Agrochemicals Association 4755
Home-Grown Cereals Authority 1729
USA
Center for Agricultural and Rural Development 869
Louisiana Agricultural Research Station 865
Louisiana State University Agricultural Center 866
Texas Technical University 1727
Reseda lutea
biology
growth 3472
identification 3472
control
chemical control 3472
physical control 3472
ecology
distribution 3472
introduction 3472
spread 3472
seeds
seed germination 3472
seed production 3472
USA 3472
Residential areas
weeds
altitude 3513
habitats 3513
plant communities 3513
Reviews
herbicide residues
analytical methods 3615
bioassays 124
degradation 3615
Germany 4032
groundwater 140, 4032
microorganisms 638
models 611
soil 619, 638, 3615
sorption 619
surface water 4032
herbicides
air pollution 3178
application 1954
benfuresate 4484
bentazone 3553
Brassica 1132
cabbages 4656
Canada 3145
carotenoids 1941
chemical properties 3118
chlorophyll 1941
environment 3553
environmental impact 1055, 3145
glufosinate 4445
herbicide mixtures 3726
herbicide resistance 1132
insects 3546
invertebrates 3177
membrane permeability 4096
metabolism 1941
microorganisms 3177
mode of action 1941, 3118, 3694
new products 3118
nontarget effects 3177
oilseed plants 1132
patents 3726
peroxidation 3694
phloem 4096
pigments 1941
plant breeding 661, 666
plant diseases 4606
protoporphyrin 671
rice 3177
surfactants 1964
tolerance 666
toxicity 4484
translocation 4096
USA 3145
weather 1954
wheat 1995
wildlife 3145
weed control
algae 2576
apples 2869
Asclepias syriaca 456
barley straw 2576
biological control 561, 2277, 2709, 2919, 3992-3993, 3999, 4848
Cirsium vulgare 454
Cuscuta 843
developing countries 4152
Echinochloa 4342
ecosystems 3742
field crops 3737
Food and Agriculture Organization 4152
fumigation 717
fungi 2277
Ghana 3737
grain legumes 2859
grapes 3344
grasslands 4635
grazing 3300
groundnuts 786
herbicide resistant weeds 3344
integrated control 718, 2859, 2869
intercropping 252
Japan 4187
lawns and turf 1243
Malaysia 3999
microorganisms 3992
mycoherbicides 3999
ornamental plants 3374
ornamental woody plants 3374
Orobanche 2859, 2982, 3425
parasitic weeds 2919
Poa annua 2521
Pteridium aquilinum 3407
rangelands 3300

Reviews *cont.*
weed control *cont.*
rice 4187
sheep 3300
soil sterilization 717
sorghum, as weeds 452
South East Asia 3993, 4152-4153
Striga 3425
sugarbeet 5099
surveys 5099
Thailand 561
UK 5013
vegetables 4153
weed control 4635
wheat 1995
weeds
algae 3435
allelopathy 3501
aquatic weeds 3435
Arabidopsis 907
Arabidopsis thaliana 4836
Asclepias syriaca 456
bioassays 3501
biology 5013
Canada 826
China 4597
Cirsium arvense 455
Cirsium vulgare 454
cold resistance 4836
Cuscuta 843
cyanobacteria 3435
Echinochloa 4342
ecosystems 3742
gene expression 4836
grain legumes 2859
grapes 3344
groundnuts 786
herbicide resistant weeds 3344, 3964
host parasite relationships 3423
India 3964
indicator plants 3435
integrated control 2859
invasion 3893
livestock 1260
Lythrum salicaria 3444
medicinal plants 4597
morphology 475, 907
Orobanche 2859, 2991, 3422-3423, 3425
pest resistance 3250
phenology 475
physiology 475
plant competition 475, 3050, 3931
poisonous weeds 826, 1260
Pteridium aquilinum 3407
Raphanus raphanistrum 3034
research 3422
seed banks 3466
seed germination 3422
sorghum, as weeds 452
species diversity 718
stimulants 3422
Striga 2991, 3425
toxicity 826
UK 5013
USA 826
varietal susceptibility 3250
Reynoutria japonica
biology
foliage 912
genetic variation 912
growth rate 48, 912
leaf area index 912
photosynthesis 912
plant height 48, 912
reproduction 2668
shoots 912
transpiration 3948
vegetative propagation 2668
control 3885
biological control 3885
ecology
altitude 48
carbon dioxide enrichment 3948
climate 3948
colonizing ability 48
distribution 3948
establishment 48
invasion 3948
population dynamics 912
temperature 3948
Reynoutria japonica *cont.*
Japan 48, 912
seeds, seed size 48
urban areas
disturbed land 2668
introduction 2668
invasion 2668
plant communities 2668
plant competition 2668
spread 2668
Reynoutria sachalinensis, utilization, antifungal plants 4600
Rhagodia eremaea
Eremophila, Australia 1207
Hakea preissii, Australia 1207
Senna, Australia 1207
weed control
damage 1207
plant communities 1207
Rhamnus
ecology
plant communities 2621
weed associations 2621
Rhinanthus alectorolophus
Agrostis capillaris
host parasite relationships 2988
Switzerland 2988
biology
evolution 2988
flowering 2988
genetic variation 2988
internodes 2988
morphology 2988
ecology
ecotypes 2988
genotype environment interaction 2988
nutrient availability 2988
grasslands
host parasite relationships 2988
Switzerland 2988
Lolium perenne
host parasite relationships 2988
Switzerland 2988
Plantago lanceolata
host parasite relationships 2988
Switzerland 2988
Trifolium repens
host parasite relationships 2988
Switzerland 2988
Rhinanthus minor
biology
growth rate 3426
nutrient uptake 2123
photosynthesis 2123, 3426
water relations 2123, 3426
ecology
host parasite relationships 3426
nitrogen 3426
nutrient availability 2123, 3426
phosphorus 3426
potassium 3426
grasslands
flowers 2124
growth rate 2124
host parasite relationships 2123-2124
nutrient availability 2123
nutrient content 2124
plant height 2124
seeds 2124
Sweden 2123-2124
legumes
flowers 2124
growth rate 2124
host parasite relationships 2123-2124
nutrient availability 2123
nutrient content 2124
plant height 2124
seeds 2124
Sweden 2123-2124
Sweden 3426
Rhinanthus serotinus
lucerne
growth rate 3427
host parasite relationships 3427
light 3427
nutrient availability 3427
plant competition 3427
roots 3427
Rhododendron, herbicides, damage 5123
Rhododendron indicum
herbicides
application rates 1239-1240
damage 1239
surfactants 1240
tolerance 1239-1240
Rhododendron obtusum
herbicides
cuttings 1129
growth rate 1129
rooting 1129
roots 1129
Rhododendron ponticum
ecology
introduction 2674
invasion 2674
Rhus
Loranthaceae
host parasite relationships 5155
nutrient content 5155
Viscaceae
host parasite relationships 5155
nutrient content 5155
Ribes nigrum (*see* Black currants)
Rice (*Oryza sativa*)
Aeschynomene aspera
seasonal variation 3515
surveys 3515
Aeschynomene indica
occurrence 1791
population density 1406
Ageratum conyzoides
plant competition 4631
yields 4631
algae
control 3783
distribution 3017
fertilizers 2015
Korea Republic 2015
salinity 2015
Thailand 421, 5045
Alisma, Italy 4192
Amaranthus viridis
plant competition 4631
yields 4631
Ammannia
population dynamics 3066
surveys 3066
Ammannia baccifera, hosts of plant pests 3861
aquatic weeds
allelopathy 2018
distribution 2022
Italy 4192
water relations 2022
Arthraxon hispidus, population density 1406
as weeds
rice, Brazil 1199
biology 1203
Brazil 3907
control
chemical control 1201, 2437-2439
cultural control 1199, 2437-2438
integrated control 2437-2438
physical control 2439
ecology
emergence 2437
spread 3783
rice
Colombia 1199
control 1203, 1610, 3783
Dominican Republic 1199
ecotypes 1199
plant competition 479, 1199
Spain 2437-2439, 5054
surveys 1201, 2439, 4815
USA 1610
variety trials 1199
yields 1199
seeds, seed banks 3907
sorghum
allelopathy 2223
growth rate 2223
seed germination 2223
Asteraceae, surveys 1407
Avena sterilis subsp. *ludoviciana*
allelopathy 2664
growth rate 2664
seed germination 2664
Bangladesh 293

Rice *cont.*
Bhutan 50
Bidens tripartita, population density 1406
Bonnaya brachiata
seasonal variation 3515
surveys 3515
Brazil 3297
Caesulia axillaris, India 518
China 292, 1608, 4190
Convolvulus arvensis
allelopathy 2664
growth rate 2664
seed germination 2664
Cuba 1202
cyanobacteria
fertilizers 2015
Korea Republic 2015
salinity 2015
Thailand 421
Cynodon
seasonal variation 3515
surveys 3515
Cynodon dactylon
plant competition 4631
yields 4631
Cyperaceae
Colombia 98
control 1610
growth rate 1854
hosts of plant pests 98
Philippines 905
plant development 1854
seed contamination 905
USA 1610
water relations 1854
Cyperus, surveys 1407
Cyperus difformis
growth rate 1778
light 1778
nutrient availability 1778
nutrient uptake 1386, 3292
occurrence 1791
plant competition 1386, 1405, 1778
population density 1405, 3292
population dynamics 3066
surveys 3066
yields 1778, 3292
Cyperus iria
population dynamics 3066
surveys 3066
Cyperus juncellus
China 3284
control 3284
yields 3284
Cyperus rotundus
India 3788
plant competition 4631
population dynamics 3066
surveys 3066
yields 4631
Digitaria sanguinalis
population density 1406
seasonal variation 3515
surveys 3515
Duchesnea chrysantha, hosts of plant diseases 2704
Echinochloa
biological control 3287
growth rate 1778
light 1778
nutrient availability 1778
Philippines 905
plant competition 1778
seed contamination 905
Spain 2439
surveys 2439
yields 1778
Echinochloa colonum
hosts of plant diseases 1850
plant competition 1202
Echinochloa crus-galli
emergence 3936
growth rate 1384, 3936
India 2020, 3786, 3788
Italy 752
Korea Republic 1384, 2449, 2689-2690, 2781
leaf area 3936
leaves 3936
nutrient uptake 1386, 3292
panicles 4370

Rice *cont.*
Echinochloa crus-galli cont.
Philippines 3936
plant competition 1202, 1384, 1386, 1405, 3936, 4370
population density 1405-1406, 3292, 3936, 4370
population dynamics 3066
Spain 2437
spatial distribution 1384
surveys 3066, 4815
USA 2024, 3784
yield components 4370
yields 1202, 3292, 3936, 4370
Echinochloa glabrescens
nutrient uptake 3292
population density 3292
yields 3292
Echinochloa oryzoides, hosts of plant pests 1015
Eclipta
nutrient uptake 3292
population density 3292
yields 3292
Eclipta alba
India 3786
population dynamics 3066
surveys 3066
Eclipta prostrata
growth rate 1778
light 1778
nutrient availability 1778
plant competition 1778
yields 1778
Elatine triandra, Japan 110
Eleocharis atropurpurea
population dynamics 3066
surveys 3066
Eleocharis kuroguwai
biological control 3287
growth rate 1384
Korea Republic 1384, 2175
nutrient uptake 1386
plant competition 1384, 1386, 1405
population density 1405-1406
spatial distribution 1384
Eleusine indica
population dynamics 3066
surveys 3066
Epilobium, surveys 1407
Eragrostis diarrhena
population dynamics 3066
surveys 3066
Euphorbia prostrata
nutrient uptake 3292
population density 3292
yields 3292
Fimbristylis
population dynamics 3066
surveys 3066
Fimbristylis miliacea
seasonal variation 3515
surveys 1201, 3515
Galium, surveys 1407
Geranium nepalense, hosts of plant diseases 2704
Guyana 1201
Heliotropium indicum
seasonal variation 3515
surveys 3515
herbicides
aerial application 177
amidase 3220
amino acids 1546, 3230
α-amylase 1534
anatomy 2446, 3190
application date 177, 292, 1609, 2024, 2772, 3189, 3788-3789, 4184, 4192-4194, 4630, 4632, 5053-5054
application methods 177, 1955, 2840, 3784, 4193
application rates 177, 292, 1201, 1523, 2024, 2445, 2842, 3177, 3189, 3789, 4117, 4193-4194, 4569, 4630, 4927, 5046, 5048, 5053
bioassays 1546
carbohydrates 1534
cell culture 1121, 1546
cell division 3190, 3230

Rice *cont.*
herbicides *cont.*
chlorophyll 655, 2365, 3189
chlorosis 655
climate 4192
composition 1534, 2791, 3189
damage 176, 646, 1195, 1198, 1609, 1953, 2017, 2772, 2781, 2842, 3190, 4191-4194, 4569, 4853, 4927, 5046, 5054
degradation 1120-1121, 1512, 2771, 3230, 5046
economics 1196, 1609, 2023, 2444, 3784, 4185-4186, 4630, 5042-5043, 5048
environmental impact 1162, 1196, 3144
enzymes 1150, 1534, 3220, 3230, 5046
fatty acids 1121
growth rate 176, 1121, 1521, 2026, 2345, 2349, 2772, 2781, 3189, 3230, 3283, 3293, 3298, 3788, 4117, 4190, 4193, 4927, 5044
hydrogen cyanide 646
invertebrates 3177
irrigation 751, 5047
leaf area index 3788
leaves 1534, 2781-2782, 3186, 4569
lodging 1521, 3298
microorganisms 3177
mode of action 1512, 1546, 5046
morphology 3186
nitrogen 2017
nitrogen content 5045
nutrient uptake 2017, 3292, 4184, 5045, 5053
oxygen 1546
photosynthesis 1534
phytoalexins 4569
pigments 2791, 2842
plant growth regulators 646
plant height 2842, 3189, 4193, 4927
proteinases 1534
regrowth 3189
residual effects 176, 1612
residues 174, 3224
respiration 1546
ribonucleases 4117
rooting 655
roots 176, 2782, 3186
safeners 3230
seed banks 4334
seeds 1534
selectivity 751, 1150, 1512, 2345, 2365, 2446, 2771, 3189-3190, 4193
soil types 2772
soil water 2781-2782
starch 1534
stems 3298
stomata 1534, 3186
sugars 1534
surfactants 3789
temperature 1953, 5046
tolerance 646, 1121, 1150, 1512, 1613, 2345, 2771, 2791, 2842, 3186, 4192
translocation 1120, 1512, 2345, 2771, 3186, 3189, 3230
transpiration 1534
uptake 1120-1121, 1512, 2345, 2771-2772, 3186, 3230, 4927
volatilization 174
waxes 3186
yield components 4184, 4186, 4191, 4629
yields 292, 747, 1200, 1521, 1609, 1967, 2017, 2023, 2025, 2027-2029, 2437, 2440-2441, 2450, 2840-2841, 2843, 3292, 3294-3296, 3298, 3782, 3784, 3786-3788, 4184-4186, 4191, 4193-4194, 4629-4631, 5041-5045, 5048, 5053
Heteranthera
control 3783
Italy 4192
Heteranthera limosa
Italy 752
spread 752

Rice *cont.*
Heteranthera reniformis
Italy 752
spread 752
Hydrocotyle rotundifolia
seasonal variation 3515
surveys 3515
Hymenachne amplexicaulis, Trinidad and Tobago 1198
India 321, 747, 1614, 1778, 2017, 2019, 2021, 2023, 2025-2026, 2028-2030, 2235, 2440-2441, 2447, 2450, 2836-2838, 2840-2843, 3255, 3282-3283, 3285-3286, 3292-3296, 3782, 3785, 3787, 3904, 4184-4186, 4191, 4551, 4629-4631, 5041-5044, 5048, 5053
Ipomoea carnea, India 710
Ischaemum albens
seasonal variation 3515
surveys 3515
Ischaemum rugosum
Philippines 905
plant competition 1202
population dynamics 3066
seed contamination 905
surveys 1201, 3066, 4815
Italy 3298
Japan 177, 1016, 2301, 2704, 2752, 4334, 4632, 5047, 5049-5052
Korea Republic 1385-1386, 1405-1406, 1521, 2451-2452, 2839
Leptochloa chinensis
chemical control 4188
plant competition 4188
surveys 4815
Leptochloa fascicularis
growth rate 40
plant competition 40
plant height 40
USA 40
yields 40
Leucas aspera
plant competition 4631
yields 4631
Lindernia dubia, Japan 2261
Ludwigia parviflora
seasonal variation 3515
surveys 3515
Malaysia 4839
Marsilea minuta
growth rate 1778
light 1778
nutrient availability 1778
plant competition 1778
yields 1778
Mimosa pudica
plant competition 4631
yields 4631
Monochoria vaginalis
emergence 3936
growth rate 3936
leaf area 3936
leaves 3936
nutrient uptake 3292
Philippines 3936
plant competition 1405, 3936
population density 1405-1406, 3292, 3936
yields 3292, 3936
Nigeria 1609, 3186
Nymphaea stellata
seasonal variation 3515
surveys 3515
Onoclea sensibilis, hosts of plant diseases 2704
Panicum ramosum
plant competition 4631
yields 4631
Parthenium hysterophorus
allelopathy 2561
carotenoids 2561
chlorophyll 2561
growth rate 2561
Paspalum distichum
growth rate 1778
light 1778
nutrient availability 1778
nutrient uptake 3292
plant competition 1778
population density 3292

Rice *cont.*
Paspalum distichum cont.
population dynamics 3066
surveys 3066
yields 1778, 3292
Paspalum scrobiculatum
seasonal variation 3515
surveys 3515
Phalaris minor
allelopathy 2664
growth rate 2664
seed germination 2664
Philippines 470, 748, 1174, 2645, 4193
Phyllanthus niruri
plant competition 4631
yields 4631
Poa, surveys 1407
Poaceae
Colombia 98
control 1611
growth rate 1854
hosts of plant pests 98
plant competition 34
plant development 1854
population density 1406
surveys 1407
Thailand 421
USA 1611
water relations 1854
Polygonum, surveys 1407
Polygonum hydropiper
seasonal variation 3515
surveys 3515
Potamogeton fluitans, occurrence 1791
Potentilla, surveys 1407
Ranunculus, surveys 1407
Ranunculus silerifolius, hosts of plant diseases 2704
rice
as weeds
Brazil 1199
Colombia 1199
control 1203, 1610, 3783
Dominican Republic 1199
ecotypes 1199
plant competition 479, 1199
Spain 2437-2439, 5054
surveys 1201, 2439, 4815
USA 1610
variety trials 1199
yields 1199
Sagittaria, biological control 3287
Sagittaria guyanensis, surveys 1201
Sagittaria trifolia
Korea Republic 1391, 2834
occurrence 1804
plant communities 2834
plant competition 1391
plant height 1391
tillering 1391
Scirpus
Russia 3789
seasonal variation 3515
surveys 3515
Scirpus juncoides
biological control 3287
nutrient uptake 1386
plant competition 1386, 1405
population density 1405
Scirpus roylei
population dynamics 3066
surveys 3066
Scirpus tuberosus
population dynamics 3066
surveys 3066
Sesbania exaltata, occurrence 4443
Setaria intermedia
seasonal variation 3515
surveys 3515
South East Asia 1197
Sphenoclea zeylanica, occurrence 1791
Striga asiatica, occurrence 1791
Taiwan 102
Thailand 1854, 2027
Thalia geniculata
Cuba 1780
flooding 1780
plant competition 1780
Trinidad and Tobago 1200
USA 1612-1613, 3144, 4194
Veronica, surveys 1407

Rice *cont.*
weed control
anatomy 2689-2690
application date 1609, 2020, 3782, 4630
application rates 5048
chlorophyll 2449
damage 1016, 1609
drainage channels 5052
economics 1196, 1609, 2021, 2023, 3289, 4185-4187, 4630, 5042-5043, 5048
environmental impact 1196
farmers' attitudes 4189
growth rate 2026, 2449, 3293
history 2031
labour requirements 2443, 4187, 5049, 5052
morphology 2449
nutrient availability 1174
nutrient uptake 3292, 4184, 5053
plant height 2449
safety 5050
seed germination 2449
yield components 4184, 4186, 4629
yields 293, 747-748, 1016, 1609, 2020, 2023, 2025, 2028-2029, 2437, 2440-2441, 2836, 2841, 2843, 3285, 3292, 3295-3296, 3298, 3782, 3786-3787, 4184-4186, 4629-4631, 5041-5043, 5048, 5053
weeds
biological control 3287-3288, 3291, 4815
chemical control 749-751, 753, 1025, 1162, 1196, 1204, 1470, 1514, 1734, 1953, 2018, 2405, 2445, 2448, 2833, 2835, 2838, 3283, 3286, 3289-3291, 3702, 3785, 4189-4190, 5000, 5047
control 50, 293, 749-750, 864, 866, 875, 1196, 1610, 1734, 2447, 2837, 3255, 3282, 3297, 3746, 4187, 5051
cultural control 50, 1196, 2018, 2445, 3289-3290, 4189
distribution 2022
ecology 2452, 3291
economics 754
farmers' attitudes 3281
flooding 2019
flowering 2022
growth rate 1384, 1854, 3492
hosts of plant diseases 102
hosts of plant pests 1015
integrated control 1196, 1204, 1322, 1614, 1734, 2442, 3281, 3289-3291, 4187, 4189, 4314, 4815
irrigation 4189
nutrient content 2645
nutrient uptake 470, 2645
occurrence 981, 2235, 3289-3291, 3746
physical control 1196, 2018, 3290-3291
plant competition 935, 1384-1385, 1405, 3492, 3782, 4189, 4631
plant development 1854
population density 935, 1405-1406, 3782
population dynamics 2447
salinity 2235
seed banks 1397
soil fertility 470
spatial distribution 1384
surveys 50, 492, 748-750, 2234, 3944
water relations 1854, 2022
weed associations 3944
yields 748, 1734, 3492, 4631
Richardia scabra
control, chemical control 2849
ecology
disturbed land 949
emergence 949
rain 949
species diversity 949
survival 949
Phaseolus vulgaris, USA 2849
seeds, seed germination 949
Thailand 949

Ricinus communis
Amaranthus blitum, hosts of plant diseases 4433
Cassia tora, hosts of plant diseases 4433
herbicides
α-amylase 206
β-amylase 206
application rates 206, 1139
carotenoids 1139
chlorophyll 1139
enzymes 206, 1139
β-fructofuranosidase 206
growth rate 206
nitrate reductase 1139
nitrates 1139
nitrogen content 1139
plant pests 1234
polysaccharides 206
proteinases 1139
sucrose 206
sugars 206
hosts, insects 3106
India 4433
Lantana camara, hosts of plant diseases 4433
Parthenium hysterophorus, hosts of plant diseases 4433
Sesbania grandiflora, hosts of plant diseases 4433
Trifolium alexandrinum, hosts of plant pests 3106
weeds
control 3746
occurrence 3746
Xanthium strumarium, hosts of plant diseases 4433
Ridolfia segetum
ecology
nitrogen 2161
nutrient availability 2161
seeds
light 2161
seed germination 2161
stimulants 2161
temperature 2161
wheat
plant competition 2199
population density 2199
yields 2199
Rights of way
herbicides
application date 3388
application methods 4703
knapsack sprayers 4703
low volume spraying 4703
surfactants 4703
Polygonum perfoliatum, USA 3388
weed control
economics 700-701, 3392
wildlife 3392
weeds
chemical control 802, 3392
control 876, 5182
Rimsulfuron
adjuvants
Digitaria sanguinalis 4123
faba beans 4125
maize 3269, 4125
Panicum dichotomiflorum 4123
peas 4125
potatoes 4125
rape 4125
Setaria verticillata 4123
sugarbeet 4125
application
application date 3116
application methods 3116
application date
Capsicum annuum 2492
Digitaria sanguinalis 4123
maize 1190, 2011, 3269, 3778, 4181
Panicum dichotomiflorum 4123
potatoes 2479
Setaria verticillata 4123
application rates
faba beans 4125
maize 1190, 3774, 3778, 4125, 4181
peas 4125
potatoes 3774, 4125, 5078
rape 4125
sugarbeet 4125
Rimsulfuron *cont.*
binding sites
Amaranthus retroflexus 1147
Ambrosia artemisiifolia 1147
Avena fatua 1147
Digitaria ischaemum 1147
Panicum miliaceum 1147
chemistry, chemical properties 3774
chlorophyll, potatoes 312
chlorosis, potatoes 2479
control
Amaranthus albus, potatoes 1630
Amaranthus retroflexus, potatoes 312, 1630, 5078
Capsella bursa-pastoris, potatoes 1630
Chenopodium album, potatoes 1630
Descurainia sophia, potatoes 312, 5078
Digitaria sanguinalis 4123
Elymus repens
maize 1190, 3774
potatoes 3774
Erodium cicutarium, potatoes 312, 5078
Kochia scoparia, potatoes 312, 5078
oats, as weeds, potatoes 1630
Orobanche aegyptiaca, tomatoes 2867
Panicum dichotomiflorum 4123
Setaria verticillata 4123
Setaria viridis, maize 3269
Solanum nigrum, Capsicum annuum 2492
Solanum sarrachoides, potatoes 1630
Solanum triflorum, potatoes 1630
Sorghum halepense, maize 3778, 4181
weeds
faba beans 4125
maize 2011, 3116, 3277, 3771, 3774, 4123, 4125
Miscanthus sinensis 2099
peas 4125
potatoes 3774, 4125
rape 4125
sugarbeet 4125
Xanthium strumarium, Capsicum annuum 2492
cross resistance, *Stellaria media* 3965
damage
maize 2011, 3269, 4100
Miscanthus sinensis 2099
potatoes 312, 1217, 1630, 2479, 5078
environmental impact, maize 3277
enzymes
Amaranthus retroflexus 1147
Ambrosia artemisiifolia 1147
Avena fatua 1147
Digitaria ischaemum 1147
Panicum miliaceum 1147
Stellaria media 3965
flowering, potatoes 312
growth rate
Capsicum annuum 2492
maize 2011, 4100
potatoes 312
interactions
adjuvants 3269, 4123, 4125
herbicides 1147, 3116, 3269, 3271, 4181
mixtures, maize 1190
mode of action 3116
Stellaria media 3965
morphology
maize 4100
potatoes 1217
necrosis, potatoes 2479
pigments, potatoes 1217
plant disorders, potatoes 1217
properties, physical properties 3774
quality, potatoes 312, 5078
residues, soil 3116
resistance
Amaranthus retroflexus 1598
Ambrosia artemisiifolia 1598
Avena fatua 1598
Digitaria ischaemum 1598
Panicum miliaceum 1598
Setaria faberi 1598
Setaria viridis 1598
Rimsulfuron *cont.*
resistance *cont.*
Stellaria media 3965
selectivity 3116
soil
movement 3116
persistence 3116
susceptibility, *Stellaria media* 3965
tolerance
Capsicum annuum 2492
maize 1598, 3271
potatoes 312, 1630, 2479
soyabeans 1598
toxicity 3116, 3774
translocation 3116
tubers, potatoes 312, 2479
uptake 3116
variety trials
barley 1320
maize 3269, 3271, 4100
potatoes 312, 2479
triticale 1320
wheat 1320
yields
maize 1190, 3269, 3271, 3277, 4100, 4181
potatoes 1630, 2479, 5078
Rivers
aquatic weeds
climate 4289
colonizing ability 4289
distribution 1289, 5172
drought 4289
Egypt 5172
flooding 4289
France 4289
habitats 1289, 5172
nutrient availability 5172
plant communities 5172
population density 4289
spatial distribution 4289
species diversity 4289, 5172
temperature 4289
water relations 4289
Asteraceae, surveys 1407
Cyperus, surveys 1407
Egeria densa, USA 3443
Eichhornia crassipes
Argentina 2141
USA 3443
Zimbabwe 4284
Elodea canadensis, Russia 4296
Epilobium, surveys 1407
France 1289
Galium, surveys 1407
Heracleum mantegazzianum
distribution 3450
grazing 3450
surveys 3450
Hydrilla verticillata, USA 415
India 3005
Japan 3682, 4476
Poa, surveys 1407
Poaceae, surveys 1407
Polygonum, surveys 1407
Potentilla, surveys 1407
Ranunculus, surveys 1407
Rumex maritimus, Netherlands 2144
Rumex palustris, Netherlands 2144
Russia 1309
Spartina alterniflora, USA 3866
Stratiotes aloides, Russia 4296
Typha latifolia, Russia 4296
USA 1314
Veronica, surveys 1407
weeds
erosion 3005
habitats 2611
nutrient availability 3005
plant communities 2621
spatial distribution 2621
species diversity 2611
water relations 3005
Roads
Caryophyllaceae, plant communities 2661
Fabaceae, plant communities 2661
Mimosa bahamensis
distribution 3845
invasion 3845
occurrence 3845
UK 965

Roads *cont.*
weeds, surveys 965
Roadsides
Aegilops cylindrica, Israel 4345
Asteraceae, surveys 1407
Bromus commutatus, Israel 4345
Carduus nutans, USA 815
Cyperus, surveys 1407
Ehrharta calycina
Australia 3955
fire effects 3955
invasion 3955
population density 3955
spread 3955
Epilobium, surveys 1407
Eragrostis curvula
Australia 3955
fire effects 3955
invasion 3955
population density 3955
spread 3955
Galium, surveys 1407
herbicides, application date 3388
Poa, surveys 1407
Poaceae, surveys 1407
Polygonum, surveys 1407
Polygonum perfoliatum, USA 3388
Potentilla, surveys 1407
Ranunculus, surveys 1407
rape
as weeds
disturbed land 4383
plant succession 4383
population density 4383
population dynamics 4383
UK 4383
UK 965
USA 3389
Veronica, surveys 1407
weeds
chemical control 3390
control 1970
fire effects 3955
invasion 3955
population density 3955
species diversity 3955
spread 3955
surveys 965
Robinia pseudoacacia
biology
composition 362
glycosides 362
control
chemical control 4693
physical control 4693
herbicides, susceptibility 4693
weed control, erosion 236
Romania
apples 3343
aubergines 3332
barley 3803
Capsicum 3332
cherries 3343
flax 3803
maize 3803
Elymus repens 4178
onions 3332
potatoes 3803
rye 3803
soyabeans 4641, 4644
sunflowers 3819
tomatoes 3332
weed control, wheat 5023
weeds
control 4396
maize 4396
soyabeans 4396
surveys 4396
wheat 3803
Root crops, herbicides, residues 3128
Rorippa indica
biology
biogenic amines 4833
composition 4833
Rosa (*see also* Roses)
control
chemical control 269
cultural control 269
physical control 269
Rosa multiflora
control, chemical control 4706
Rosa multiflora *cont.*
ecology 5110
forests
chemical control 5110
colonizing ability 1253
distribution 1253
invasion 1253
plant succession 1253
population density 1253
USA 1253
herbicides
adjuvants 4706
surfactants 4706
USA 4706
utilization 5110
Rosaceae
biology
flowers 462
morphology 462
pigments 462
taxonomy 462
Rosemary (*Rosmarinus officinalis*)
herbicides
application date 1247
damage 1247
growth rate 1247
Roses (*see also Rosa*)
herbicides
application rates 3307
damage 811, 3307
drift 3307
flowers 811
leaves 811
plant disorders 811
Solanum nigrum, hosts of plant pests 2545
USA 3307
Rosmarinus officinalis (*see* Rosemary)
Rotala indica
control, chemical control 1608, 3055, 4334, 5046
ecology, population density 3055
herbicides
seed banks 4334
seed production 4334
seeds
buried seeds 3055
seed banks 3055, 4334
seed production 4334
Rottboellia cochinchinensis
biology
light 945
photosynthesis 945
plant height 945
stomatal resistance 945
tillering 945
transpiration 945
water relations 945
Canavalia ensiformis, Costa Rica 1604
control 437
biological control 1197
chemical control 788-789, 1964
cultural control 1604
ecology
distribution 2254
ecotypes 2254
emergence 437
establishment 2254
habitats 2254
fallow, Costa Rica 286
herbicides
application date 789
application methods 789
application rates 789
damage 789
hosts
insects 1851
mites 1851
Lablab purpureus, Costa Rica 1604
maize
allelopathy 945
Costa Rica 286, 1604
light 945
plant competition 945
population density 945
soil water 945
Trinidad and Tobago 945
yields 945
Mucuna, Costa Rica 1604
Phaseolus, Costa Rica 286
Pueraria phaseoloides, Costa Rica 1604
Rottboellia cochinchinensis *cont.*
seeds
buried seeds 437
seed dispersal 437
seed dormancy 286
soil depth 286, 437
storage 437
viability 286, 437
sorghum
allelopathy 2223
growth rate 2223
seed germination 2223
soyabeans
growth rate 2202
plant competition 2202
plant height 2202
seed production 2202
seed weight 2202
USA 2202
sugarcane
hosts of plant pests 1851
USA 788-789
Rottboellia exaltata (*see Rottboellia cochinchinensis*)
Rowcrops
Asteraceae, population density 1797
Magnoliatae, population density 1797
weeds, population density 1797
Rubber (plants) (*see Hevea brasiliensis*)
Rubia
biology
chloroplasts 27
evolution 27
genetic variation 27
taxonomy 27
Rubiaceae
biology
chloroplasts 27
evolution 27
genetic variation 27
taxonomy 27
Rubus
Abies balsamea, Canada 1906
Acer rubrum, Canada 1906
Betula alleghaniensis, Canada 1906
Betula papyrifera, Canada 1906
biology
buds 4256
reproduction 4256
roots 4256
shoots 4256
vegetative propagation 4256
Canada 4978
control
chemical control 1906
physical control 1906
herbicides
aerial application 4978
canopy penetration 4978
deposition 4978
drift 4978
hosts, fungi 2109
Picea rubens, Canada 1906
Tsuga canadensis, Canada 1906
Rubus arcticus, Finland 1087
Rubus argutus, herbicides, population density 3371
Rubus cuneifolius
biology, identification 1355
ecology, population density 1355
Rubus idaeus (*see* Raspberries)
Rubus inermis
biology
buds 4256
reproduction 4256
roots 4256
shoots 4256
vegetative propagation 4256
Rubus parviflorus
control
chemical control 363, 805
cultural control 363
physical control 363, 805
forests, USA 363
herbicides
establishment 363
growth rate 363
population dynamics 363
Picea glauca
Canada 805
growth rate 805

Rubus parviflorus *cont.*
Picea glauca cont.
plant competition 805
plant height 805
Pinus contorta
Canada 805
growth rate 805
plant competition 805
plant height 805
weed control
establishment 363
growth rate 363
population dynamics 363
Rubus spectabilis
biology
carbohydrates 817
morphology 817
rhizomes 817
shoots 817
control
chemical control 363
cultural control 363
physical control 363
ecology
disturbed land 817
regenerative ability 817
seasonal variation 817
forests, USA 363
herbicides
establishment 363
growth rate 363
population dynamics 363
Pseudotsuga menziesii, plant competition 817
USA 817
weed control
establishment 363
growth rate 363
population dynamics 363
Rubus strigosus (*see* Raspberries)
Rudbeckia hirta
biology
anatomy 1372
flowering 1372
photoperiodism 1372
plant height 1372
herbicides
application rates 2098
damage 2098
tolerance 2098
Rudbeckia occidentalis
Abies grandis, USA 4699
Abies lasiocarpa, USA 4699
control, physical control 4699
Picea engelmannii, USA 4699
Pinus contorta, USA 4699
Rudbeckia sorinata
USA 2409
weeds, chemical control 2409
Rumex
biology
adventitious roots 1708
growth rate 1708, 2769
identification 3482
petioles 1708, 2769
plant growth regulators 1708, 2769
cereals
distribution 3951
population density 3951
soil pH 3951
soil types 3951
control
chemical control 3326
cultural control 4639
physical control 3326, 4639
ecology
colonizing ability 1708
flooding 1708, 2769
oxygen 1708
plant communities 1708
vegetables
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Rumex acetosa
biology
development 2273
flowers 2273
genetics 2273
growth rate 2768
Rumex acetosa *cont.*
biology *cont.*
molecular genetics 2273
morphology 1380, 1819
plant growth regulators 2768
reproduction 2273
roots 1380, 1819
ecology
drainage 1380
flooding 1380, 2768
soil compaction 1380, 1819
water stress 1380, 1819
waterlogging 1380, 1819
Netherlands 2768
utilization, medicinal plants 4597
Rumex acetosella
biology
dry matter distribution 504
flowering 504
genetic variation 3963
growth rate 504
morphology 3963
reproduction 504, 3963
sex ratio 504
cereals
population density 4399
surveys 4399
ecology
genotype environment interaction 3963
habitats 504
nutrient availability 504
plant competition 504, 3963
plant succession 3963
population density 504
France 504, 3963
herbicides, resistance 4399
oats
population density 4399
surveys 4399
wheat
population density 4399
surveys 4399
Rumex alpinus
biology
anatomy 1752
carbohydrates 1752
composition 1752
growth rate 1752
morphology 1752
rhizomes 1752
vegetative propagation 1752
Czech Republic 1752
Rumex aspara
hosts, insects 3106
Trifolium alexandrinum, hosts of plant pests 3106
Rumex confertus
ecology, soil pollution 2632
railways, spread 2632
Rumex crispus
biology
calcium 3104
carbohydrates 3104
carbon pathways 508
growth rate 508, 2768
leaf age 3987
nitrogen 3104
nutrient content 3104
oxalates 3104
photosynthesis 508
plant diseases 545, 3104, 3987
plant growth regulators 2768
roots 508
senescence 3104
starch 3104
transpiration 508
water relations 508
ecology
flooding 2768
insects 3104
seasonal variation 4332
hosts
fungi 545, 3104, 3987
insects 545, 3104, 3987
Netherlands 2768
seeds
buried seeds 4332
seed dormancy 4332
seed germination 4332, 5016
soil depth 4332, 5016
Rumex crispus *cont.*
seeds *cont.*
temperature 5016
Rumex dentatus
biology, composition 2403
control
chemical control 764, 4233
physical control 764, 4233
ecology, Nematoda 4813
toxicity, Nematoda 4813
utilization, nematicidal plants 2403
Rumex maritimus
biology
flowering 2144
growth rate 2144, 2768
plant growth regulators 2768
control, chemical control 3382
ecology
flooding 2144, 2768
survival 2144
water relations 2144
Netherlands 2768
rivers, Netherlands 2144
seeds
seed production 2144
seed weight 2144
Rumex obtusifolius
biology
calcium 3104
carbohydrates 3104
gas exchange 4826
growth 2173
leaf age 3987
morphology 2173, 4338
nitrogen 3104
nutrient content 3104
oxalates 3104
photosynthesis 4826
plant diseases 545, 3104, 3987
regrowth 4338
roots 2173
senescence 930, 3104
starch 3104
stems 4338
stomata 4826
transpiration 4826
vegetative propagation 2173, 4338
water relations 4826
control
chemical control 1205, 1565, 2460, 3343
cultural control 1205
physical control 1205, 2460
Cynosurus cristatus
disturbed land 1205
nutrient availability 1205
plant communities 1205
population dynamics 1205
ecology
carbon dioxide enrichment 4826
grazing 2659
insects 2659, 3104
plant communities 1414
plant competition 2659
soil water 4338
surveys 1414
grasslands, control 4338
hosts
fungi 545, 3104, 3987
insects 545, 2659, 3104, 3987
Trifolium repens
disturbed land 1205
nutrient availability 1205
plant communities 1205
population dynamics 1205
Trisetum flavescens
disturbed land 1205
nutrient availability 1205
plant communities 1205
population dynamics 1205
Rumex palustris
biology
flowering 2144
growth rate 2144, 2768
morphology 1380, 1819
plant growth regulators 2768
roots 1380, 1819
ecology
drainage 1380
flooding 1380, 2144, 2768
soil compaction 1380, 1819

Rumex palustris *cont.*
ecology *cont.*
survival 2144
water relations 2144
water stress 1380, 1819
waterlogging 1380, 1819
Netherlands 2768
rivers, Netherlands 2144
seeds
seed production 2144
seed weight 2144
Ruppia maritima
ecology
disturbed land 1297
emergence 1297
France 1297
seeds
buried seeds 1297
seed banks 1297
seed germination 1297
Russia
Ambrosia 100
barley 1998, 3761, 3793
beetroots 3723
Bromus inermis, Acroptilon repens 3791
buckwheat 746, 2415
cabbages 3723
Carex 2680
carrots 2483, 3723
cereals 2415
Cyperaceae 2680
Dactylis, Sonchus arvensis 3507
Eriophorum 2680
estuaries 1309
Festuca, Sonchus arvensis 3507
field crops 3740
fodder beet 1998
fodder crops, *Acroptilon repens* 3791
forests
Digitaria asiatica 2089
Echinochloa crus-galli 2089
Elymus repens 2089
grasslands
Cirsium macrocephalum 1620
Veratrum lobelianum 1620
herbicides
barley 3755
carrots 1548
desiccants 3698
fallow 1664
field crops 1548
flax 3698
glyphosate 3698
millets 3755
oats 3755
onions 1548
orchards 1548
usage 1548
wheat 3755
Lolium 3793
lucerne 2461
maize 1998, 2415
Acroptilon repens 3791
Sorghum halepense 3778
millets 746
oats 3761
Panicum 746
pastures
Cirsium macrocephalum 1620
Veratrum lobelianum 1620
peas 2415, 3802
Phleum, Sonchus arvensis 3507
potatoes 2461, 2483, 3806
rape 2415
rice, *Scirpus* 3789
rivers 1309
Elodea canadensis 4296
Stratiotes aloides 4296
Typha latifolia 4296
sorghum, *Acroptilon repens* 3791
Sorghum sudanense, Acroptilon repens 3791
soyabeans 2461
sugarbeet 1653, 2076-2077, 2415, 3238
sunflowers 3697
tomatoes 2461
water reservoirs 5166
weed control
fallow 1664
rotations 3521
tomatoes 3338
Russia *cont.*
weeds 3502
aquatic weeds 4743
Avena 15
Avena fatua 1655
cereals 3507-3508
composition 4743
distribution 1715
Euphorbia dentata 1803
genetic resources 15
Heracleum sphondylium 3947
lipids 4743
Pistia stratiotes 1715
population density 3508
rotations 3521
seed contamination 1751
Sonchus arvensis 3507
spread 1715
sugarbeet 1655
yields 3508
wheat 3761
Rye (*Secale cereale*)
Aethusa cynapium
Germany 726
plant competition 726
population density 726
yields 726
Amaranthus retroflexus
Canada 1624
plant succession 502
population dynamics 502
Ambrosia artemisiifolia
plant succession 502
population dynamics 502
as weeds
biology, pollen 374
control
integrated control 4659
physical control 4659
tomatoes
population density 4659
yields 4659
toxicity
allergens 374
man 374
USA 4659
Aster pilosus
plant succession 502
population dynamics 502
Belarus 738
Bupleurum rotundifolium, seed germination 2158
Canada 5082
Cassia obtusifolia
plant succession 502
population dynamics 502
Chenopodium album, Canada 1624
Cirsium arvense
Poland 2212
yields 2212
Cnicus benedictus
plant succession 502
population dynamics 502
Conringia orientalis, seed germination 2158
Consolida regalis, seed germination 2158
Conyza canadensis
allelopathy 2219
growth rate 2219
plant succession 502
population dynamics 502
seed germination 2219
Denmark 4617
Echinochloa crus-galli
allelopathy 2219
growth rate 2219
seed germination 2219
Elymus repens
allelopathy 4378
growth rate 4378
roots 4378
Epilobium ciliatum
allelopathy 2219
growth rate 2219
seed germination 2219
Germany 476, 496, 2158, 3716, 3757
herbicides
application date 3195
application rates 144, 4224, 4610
bioassays 1557
damage 1557, 4224
Rye *cont.*
herbicides *cont.*
economics 739
growth rate 4224
residues 133, 144
safeners 4610
seed germination 3195
yield components 738
yields 739
Heterotheca latifolia
plant succession 502
population dynamics 502
Kickxia spuria, seed germination 2158
Netherlands 327
Papaver argemone, seed germination 2158
Poland 4609
Romania 3803
Solidago canadensis
plant succession 502
population dynamics 502
Sorghum halepense
plant succession 502
population dynamics 502
USA 2495
USA 502, 3499
weed control
damage 3757
economics 3716
yields 3716, 3757
weeds
allelopathy 3499
chemical control 3716, 3767
control 496
integrated control 3767
physical control 3767
plant competition 476
population density 476
soil types 476
yields 476
S-0224 3796
S-23142 3216, 4113
Saccharum officinarum (*see* Sugarcane)
Saccharum spontaneum
control 3746
chemical control 2059, 4204
Safflower (*Carthamus tinctorius*)
Orobanche
damage 2933
host parasite relationships 2933
Setaria viridis, Canada 322
weed control
economics 322
yields 322
weeds
control 3746
occurrence 3746
Sage (*Salvia officinalis* and *S. sclarea*)
herbicides
application date 1247
composition 3384
damage 1247, 3384
essential oils 3384
growth rate 1247
quality 3384
Slovakia 3384
Sagittaria
control, biological control 3287
rice, biological control 3287
Sagittaria guyanensis
control, chemical control 1201
rice, surveys 1201
Sagittaria latifolia
biology
flowers 852
growth rate 895
pollination 852
salinity 895
sex 852
ecology
biotypes 895
emergence 895
salinity 895
survival 895
temperature 895
hosts, beneficial insects 852
seeds, seed germination 895
Sagittaria pygmaea
control, chemical control 1608, 3055, 3702
ecology, population density 3055

Sagittaria pygmaea *cont.*
seeds
buried seeds 3055
seed banks 3055
Sagittaria sagittifolia
biology
composition 4743
fatty acids 4743
glycolipids 4743
lipids 4743
phospholipids 4743
sex differentiation 1348
Sagittaria trifolia
biology
carbon dioxide 3182
flowers 1343, 1391
growth rate 1343, 1391, 3182
leaves 1343, 1391
light 1343
plant growth regulators 3182
plant height 1343, 1391
reproduction 1343
shoots 1343, 1391
tubers 1343, 1391, 1804
vegetative propagation 1343
control
chemical control 2834
cultural control 1391
ecology
emergence 1804
environmental factors 1804
flooding 1343
light 1343
plant competition 1391
population density 1391
temperature 1343
herbicides
carbohydrates 2834
growth rate 2834
tubers 2834
rice
Korea Republic 1391, 2834
occurrence 1804
plant communities 2834
plant competition 1391
plant height 1391
tillering 1391
Sahel
weed control
Cuscuta 3892
forests 3892
Orobanche 3892
parasitic weeds 3892
Striga 3892
Tapinanthus 3892
weeds
Cuscuta 3892
forests 3892
millets 978
Orobanche 3892
parasitic weeds 1322, 3892
rice 981
sorghum 980
Striga 3892
Tapinanthus 3892
Sainfoin (*see Onobrychis viciifolia*)
Salicylic acid 2765
Salicylic acids, pyrimidinyl- 4570
Salix
aquatic weeds
biomass 401
control 401
water flow 401
ecology
colonizing ability 417
plant communities 417, 2621
weed associations 2621
hedges, occurrence 970
hosts, beneficial insects 556
USA 401
Salix babylonica
biology
organogenesis 1666
plant growth regulators 1666
rooting 1666
shoots 1666
Salsola collina
biology
anatomy 990
leaves 990
control 2824
Salsola iberica
biology, emergence 858
control
biological control 2455
chemical control 277
cultural control 277
physical control 277
ecology
population dynamics 858
surveys 58
fallow
migration 2603
seed dispersal 2603
seed production 2603
USA 2603
weather 2603
wind effects 2603
herbicides, resistance 58
USA 58
wheat
migration 2603
seed dispersal 2603
seed production 2603
USA 2603
weather 2603
wind effects 2603
Salsola kali
biology
anatomy 990
composition 3925
genetic variation 3925
growth rate 3925
leaves 990
mineral nutrition 3925
sodium chloride 3925
taxonomy 3925
water relations 3925
ecology, salinity 3925
Salsola pestifera
biology
digestibility 1179
energy content 1179
proteins 1179
herbicides
cross resistance 1806
resistance 1806
utilization, fodder crops 1179
Salt marshes
weeds
disturbed land 3067
introduction 3067
plant communities 3067
Salvia aethiopis, control, biological control 2455
Salvia officinalis (*see* Sage)
Salvia pratensis
hosts, viruses 1010
tomatoes, hosts of plant diseases 1010
Salvia sclarea (*see* Sage)
Salvia splendens
herbicides
application rates 1240
damage 1240
surfactants 1240
tolerance 1240
Salvinia
biology
anatomy 1365
heavy metals 880
identification 1365
taxonomy 1365
temperature 880
control 880
ecology
distribution 1365
heavy metals 880
temperature 880
utilization
anaerobic digestion 880
biogas 880
Salvinia aethiopis
control, biological control 845
USA 845
Salvinia molesta
Australia 1294
biology
anatomy 3447
cadmium 3447
chlorophyll 2560
cytology 1713
enzymes 2560
Salvinia molesta *cont.*
biology *cont.*
growth rate 1294, 2561
lipids 2560
morphology 3447
nucleic acids 2560
oxidoreductases 2560
pollen 1713
proteins 2560
roots 2560
taxonomy 1713
control
biological control 1017, 1197
cultural control 2560-2561
ecology
allelopathy 2560-2561
distribution 1713
nutrient availability 1294
nutrient content 1294
population density 1294
utilization
anaerobic digestion 880
biogas 880
Salvinia natans
biology
amino acids 2557
catalase 2557
composition 2557
DNA 2557
enzymes 2557
lead 2139
metals 2139
peroxidases 2557
proteinases 2557
proteins 2557
pyrophosphatases 2557
RNA 2557
roots 2139
senescence 2557
translocation 2139
uptake 2139
ecology
chromium 2557
metals 2557
nutrient uptake 2557
herbicides
chlorophyll 2565
composition 2565
growth rate 2565
pigments 2565
utilization, waste water treatment 2139
Sambucus pubens
control, chemical control 800
forests, Canada 800
herbicides, application rates 800
SAN 9785 3213
Sand dunes, *Aristida stricta,* USA 3042
Sanguisorba minor
Hieracium pilosella
growth rate 37
plant competition 37
Hieracium praealtum
growth rate 37
plant competition 37
Sapium sebiferum
ecology 5110
forests, chemical control 5110
utilization 5110
Saponaria officinalis
biology
composition 1844
defoliation 4333
flowers 4333
proteins 1844
resource allocation 4333
stems 4333
Canada 4333
ecology
light 4333
shading 4333
seeds
composition 1844
embryos 1844
proteins 1844
seed production 4333
seed weight 4333
Saponaria vaccaria (*see Vaccaria hispanica*)
Sarcophyte sanguinea
Acacia karroo
host parasite relationships 1276
symbiosis 1276

Sarcophyte sanguinea *cont.*
biology
composition 1276
organic acids 1276
utilization, medicinal plants 1276
Vigna radiata
allelopathy 1276
growth rate 1276
rooting 1276
Sarothamnus scoparius *(see Cytisus scoparius)*
Sarson *(Brassica napus)*
Cuscuta reflexa
carotenoids 2129
chlorophyll 2129
chloroplasts 2129
enzymes 2129
fatty acids 2129
host parasite relationships 2129
lipids 2129
photosynthesis 2129
triacylglycerol lipase 2129
India 5140
Sassafras albidum
control, chemical control 821
forests, plant competition 821
herbicides
application date 821
economics 821
tree injection 821
Saudi Arabia
flora 3520
weeds
Cuscuta 1694
dates 2239
surveys 3946
taxonomy 1694
Savannas
Loranthaceae
host parasite relationships 5155
nutrient content 5155
Viscaceae
host parasite relationships 5155
nutrient content 5155
SC-0224 2036, 4179
Scaevola spinescens
Eremophila, Australia 1207
Hakea preissii, Australia 1207
Senna, Australia 1207
weed control
damage 1207
plant communities 1207
Scandinavia
weed control
labour requirements 4156
organic farming 4156
weeds, yields 4156
Schizachyrium scoparium
biology
chlorophyll 28
growth rate 28
light 28
Calamintha asheri
allelopathy 1784
growth rate 1784
seed germination 1784
terpenoids 1784
Ceratiola ericiodes
allelopathy 1784
growth rate 1784
seed germination 1784
terpenoids 1784
Chrysoma pauciflosculosa
allelopathy 1784
growth rate 1784
seed germination 1784
terpenoids 1784
Conradina canescens
allelopathy 1784
growth rate 1784
seed germination 1784
terpenoids 1784
control, cultural control 1770
ecology, population density 28
herbicides
damage 3792
plant height 3792
hosts, insects 552
prairies, USA 1770
USA 28, 552, 3792
Schizachyrium scoparium *cont.*
weed control
disturbed land 1770
growth rate 1770
mycorrhizas 1770
nutrient uptake 1770
Schkuhria pinnata, control, chemical control 4200
Schoenoplectus lacustris, utilization, waste water treatment 5169
Schouwia thebaica
cotton
surveys 4806
yields 4806
lucerne
surveys 4806
yields 4806
maize
surveys 4806
yields 4806
sorghum
surveys 4806
yields 4806
vegetables
surveys 4806
yields 4806
wheat
surveys 4806
yields 4806
Scirpus
control
chemical control 3789, 4630
physical control 4630
herbicides, application date 3789
rice
Russia 3789
seasonal variation 3515
surveys 3515
Scirpus acutus
biology
lodging 4748
morphology 4748
control, cultural control 4748
ecology, water flow 4748
Scirpus juncoides
biology, emergence 4632
control
biological control 3287
chemical control 3055, 4632
cultural control 1386, 1405
ecology
population density 3055
seasonal variation 4632
rice
biological control 3287
nutrient uptake 1386
plant competition 1386, 1405
population density 1405
seeds
buried seeds 3055
seed banks 3055
Scirpus lacustris *(see Schoenoplectus lacustris)*
biology
growth rate 3868
stems 3868
tillering 3868
tillers 3868
ecology
colonizing ability 3868
flooding 3868
habitats 3868
water flow 3868
lakes, Netherlands 3868
Scirpus maritimus
biology
carbohydrates 4302
growth rate 4302
leaves 4302
light 4302
photosynthesis 4302
tubers 4302
maize, weed associations 2241
ponds, Netherlands 4302
Scirpus olneyi
biology
carbon 1288
growth rate 1288
nitrogen 1437
nutrient content 1437
photosynthesis 1288
Scirpus olneyi *cont.*
biology *cont.*
plant diseases 1437
plant pests 1437
respiration 1288
senescence 1288
water relations 1288, 1437
ecology
carbon dioxide enrichment 1288, 1437
plant communities 1288
hosts
fungi 1437
insects 1437
USA 1437
wetlands, USA 1288
Scirpus planiculmis
biology
evolution 919
taxonomy 919
vegetative propagation 919
China 919
ecology, plant competition 919
weed control, application date 919
Scirpus roylei
rice
population dynamics 3066
surveys 3066
Scirpus tuberosus
national parks
growth rate 403
population dynamics 403
seasonal variation 403
temperature 403
rice
population dynamics 3066
surveys 3066
wetlands
growth rate 403
population dynamics 403
seasonal variation 403
temperature 403
Sclerochloa kengiana
biology, emergence 1596
control, chemical control 1596
ecology, emergence 1596
wheat
China 1596
population density 1596
Scoparia dulcis
ecology
distribution 3911
population density 3911
Scorpiurus muricatus
barley, surveys 3954
chickpeas, surveys 3954
ecology
soil types 3954
surveys 3954
faba beans, surveys 3954
lentils, surveys 3954
maize, surveys 3954
wheat, surveys 3954
Scorzonera
weed control
economics 1320
environmental impact 1320
Scots pine *(see Pinus sylvestris)*
Scurrula cordifolia
forests
host parasite relationships 3419
India 3419
surveys 3419
Scurrula pulverulenta
forests
host parasite relationships 3419
India 3419
surveys 3419
Scutellaria galericulata
biology
composition 4784
leaves 4784
light 4784
nitrogen 4784
nutrient uptake 4784
nutrients 4784
photosynthesis 4784
ecology
light 4784
nutrient uptake 4784
Netherlands 4784

Sebuthylazine
residues
atmosphere 3578
precipitation 3578
Secale cereale (*see* Rye)
Seed crops
herbicides
seed production 1618
yields 1618
Lolium perenne, USA 1618
weeds
chemical control 4635
control 4635
Selaginella densa, control, cultural control 3300
Seminars (*see* Conferences)
Senecio
biology
composition 3852
flowers 4723
identification 4723
life cycle 4723
pyrrolizidine alkaloids 3852
control
biological control 4723
chemical control 4723
cultural control 3300
physical control 4723
ecology
distribution 4723
plant competition 4723
spread 4723
seeds 4723
toxicity, livestock 4723
Senecio inaequidens
ecology, habitats 2669
refuse tips, establishment 2669
Senecio jacobaea
biology
composition 381, 1265, 2114
flowering 1265, 4266
genetic variation 2114
genotypes 1265
growth rate 381, 1265
identification 831
life cycle 831
light 381
morphology 4266
nitrogen 381
phenotypes 2114
phosphorus 381
pyrrolizidine alkaloids 381, 1265, 2114
reproduction 831, 1266
stems 4266
control 831
biological control 382, 1266, 2455, 2534
cultural control 3300, 4266
physical control 1266
ecology
colonizing ability 1266
cycling 3927
decomposition 3927
distribution 831
disturbed land 1266
drought 2114
establishment 1266
grazing 1265
herbivores 1265
nutrient availability 381, 2114
nutrient content 3927
plant competition 1266
population density 4266
population dynamics 1266
water stress 2114
herbicides, decomposition 639
hosts, insects 1265
Lolium perenne
allelopathy 2113
growth stages 2113
lucerne
allelopathy 2113
growth stages 2113
Netherlands 1265
New Zealand 639
pastures
distribution 3945
grazing 4265
New Zealand 4265-4266
surveys 3945
Senecio jacobaea *cont.*
pastures *cont.*
temperature 4265
trampling 4265
seeds
buried seeds 1266
seed banks 1266
seed germination 4265
seed production 1266
toxicity 831
Trifolium pratense
allelopathy 2113
growth stages 2113
Trifolium repens
allelopathy 2113
growth stages 2113
Trifolium subterraneum
allelopathy 2113
growth stages 2113
USA 831, 1266
utilization, green manures 3927
Senecio koreanus, utilization, medicinal plants 3248
Senecio lautus
biology
bracts 1271
flowers 1271, 4723
identification 4723
life cycle 4723
morphology 1271
nomenclature 1271
taxonomy 1271
control
biological control 4723
chemical control 4723
physical control 4723
ecology
distribution 4723
plant competition 4723
spread 4723
seeds 4723
toxicity, livestock 4723
Senecio madagascariensis
biology
flowers 4723
identification 4723
life cycle 4723
control
biological control 4723
chemical control 4723
physical control 4723
ecology
distribution 4723
plant competition 4723
spread 4723
seeds 4723
toxicity, livestock 4723
Senecio sylvaticus, biology, identification 831
Senecio vulgaris
barley
nutrient content 38
plant competition 38
quality 38
yields 38
biology 829
composition 3854
defoliation 2538
development 2112, 3854, 4354
evolution 2112
flowers 2538
fruiting 2112
genetic variation 2112
growth rate 3918, 4354, 4719
identification 829, 831
life history 2112
morphology 2111
nomenclature 3854
nutrient uptake 2111
phenotypes 2112
plant diseases 2908
regrowth 2538
reproduction 932, 2112, 2538, 3854
resource allocation 2538
roots 2111, 3918
control
biological control 382, 829, 3544
chemical control 269, 315, 829, 2416, 3811
cultural control 269, 829, 2416, 5082
physical control 269, 2416, 5082
Senecio vulgaris *cont.*
Czech Republic 4719
ecology 829
biotypes 4719
carbon dioxide enrichment 2111, 3854
climate 4719
dispersal 932
distribution 829, 3854
drought 382, 3854
emergence 932
habitats 2112, 2669, 3854
herbivores 2538
mycorrhizas 2908
nutrient availability 382, 2538
nutrient content 3918, 4354
nutrient uptake 2111, 3918, 4354
phosphorus 2908
plant competition 382, 932, 4354
temperature 382
water relations 2111
herbicides
population density 2416
resistance 3854
seeds
seed dormancy 3854
seed germination 2112, 2538, 2908
seed production 2538
tomatoes, plant competition 3918
toxicity, livestock 829, 3854
UK 2112
utilization, medicinal plants 3854
weed control, population density 2416
wheat
nutrient content 38
plant competition 38
quality 38
yields 38
Senegal
Pennisetum glaucum, as weeds 458
Striga 3430
weed control
integrated control 4314
rice 1204
Senna
control, cultural control 1207
Enchylaena tomentosa, Australia 1207
Maireana tomentosa, Australia 1207
rangelands
Australia 1207
invasion 1207
Rhagodia eremaea, Australia 1207
Scaevola spinescens, Australia 1207
Senna obtusifolia
biology
branching 484
growth rate 484
morphology 484
control, chemical control 3796
ecology
plant competition 484
population density 484
soyabeans, USA 3796
Sesame (*Sesamum indicum*)
Cyperus rotundus, allelopathy 1788
Egypt 3820
herbicides
application date 1649
desiccation 1649
economics 1649, 3821
growth rate 3820
plant height 3820
residues 1649
seed germination 1649
yields 1649, 2064, 3820-3821
India 2064, 3821, 4938
Korea Republic 1649
Orobanche crenata
host parasite relationships 2975
Syria 2975
weed control
economics 3821
growth rate 3820
plant height 3820
soil flora 4938
yields 2064, 3820-3821
weeds
control 3746
occurrence 3746
Sesamum indicum (*see* Sesame)

Sesbania
fodder crops, seed contamination 1751
seeds, seed germination 1751
Sesbania aculeata, weeds, hosts of plant pests 3989
Sesbania exaltata
control
biological control 565, 1022, 1445, 4440, 4443
chemical control 2036, 4194
cotton, occurrence 4443
herbicides, application rates 1445
hosts, fungi 544
lucerne
allelopathy 4539
growth rate 4539
saponins 4539
rice, occurrence 4443
soyabeans, occurrence 4443
Sesbania grandiflora
Brassica campestris, hosts of plant diseases 4433
hosts, fungi 4433
lentils, hosts of plant diseases 4433
okras, hosts of plant diseases 4433
Ricinus communis, hosts of plant diseases 4433
Vigna mungo, hosts of plant diseases 4433
Sesbania punicea
control, biological control 2710, 4260
ecology, invasion 4260
seeds
seed predation 4260
seed production 2710
Sesbania rostrata
Philippines 470
weeds
nutrient uptake 470
soil fertility 470
Sesbania sesban, Zambia 345
Sesbania vesicaria
biology, life cycle 2662
ecology
population density 2662
population dynamics 2662
pastures, USA 2662
seeds
seed banks 2662
seed production 2662
Setaria
control
chemical control 903, 2487
physical control 903
maize
chemical control 903
USA 903
yields 903
seeds
buried seeds 903
seed banks 903
seed dormancy 903
soil water 903
temperature 903
soyabeans
chemical control 903
USA 903
yields 903
utilization, foods 2627
Setaria barbata, control, chemical control 1212
Setaria faberi
biology
enzymes 2698
genetic variation 2170, 3962
glutathione transferase 2698
control
chemical control 288, 424, 1319, 2013, 2431, 3237, 3345, 3389, 4225, 4625
cultural control 2431, 4659
integrated control 2431, 4659
physical control 2431, 4659
ecology
biotypes 1811, 2361, 3962
plant competition 2647
grapes, USA 3345
herbicides
adjuvants 1319
application rates 424, 1319, 1811
chlorophyll 3962
Setaria faberi *cont.*
herbicides *cont.*
chloroplasts 2361
degradation 1120, 1938, 2698
enzymes 1938, 2698, 3962
glutathione 2698
glutathione transferase 2698, 3962
growth rate 424
leucine 1938
morphology 424
relative humidity 1319
resistance 1598, 1811, 1938, 2361, 3962
surfactants 1319
translocation 1120, 1319, 1938
uptake 424, 1120, 1319, 1938
lucerne
allelopathy 3058
emergence 3058
growth rate 3058
seed germination 3058
survival 3058
maize
plant competition 2013
USA 288, 2013, 2431
yields 2013
potatoes
nutrient uptake 936
plant competition 936
yields 936
seeds
seed banks 2170
seed germination 2170
strawberries, allelopathy 4225
tomatoes, USA 4659
USA 2170
Setaria geniculata
biology, genetic variation 3962
ecology, biotypes 3962
herbicides
chlorophyll 3962
enzymes 3962
glutathione transferase 3962
resistance 3962
Setaria glauca *(see Setaria pumila)*
Setaria intermedia
rice
seasonal variation 3515
surveys 3515
Setaria italica
biology
development 1821
enzymes 2639
fertility 1821
gene expression 1821
genetic variation 2639
genotypes 2639
light 1821
morphology 2639
photoperiodism 1821
pollen 1821
pollination 2639
sterility 1821
taxonomy 2639
herbicides
application rates 4500
bioassays 4500
growth rate 4500
Setaria lutescens *(see Setaria pumila)*
Setaria pallidesfusca *(see Setaria pumila)*
Setaria pumila
apples, Yugoslavia 4662
biology, genetic variation 3962
control
chemical control 287, 1557, 2006, 3792, 4186, 4225, 4232, 4662, 4707
cultural control 4186
integrated control 287, 4186
physical control 287, 2006, 4186, 4232
ecology, biotypes 2361, 3962
herbicides
adjuvants 4575
aerial application 4707
application methods 4707
chlorophyll 3962
chloroplasts 2361
cysteine 4560
degradation 4560
enzymes 3962, 4560
Setaria pumila *cont.*
herbicides *cont.*
glutathione 4560
glutathione transferase 3962
light 1956
pH 1956
resistance 2361, 3962, 4560
retention 4575
safeners 4560
surfactants 4575
synergism 4575
temperature 1956
transferases 4560
ultraviolet radiation 1956
uptake 1956, 4575
maize
chemical control 1557
plant competition 1776
yields 1776
seeds
seed banks 5
seed dispersal 5
soyabeans
plant competition 1776
yields 1776
strawberries, allelopathy 4225
Setaria verticillata
Citrus, hosts of plant pests 4844
control, chemical control 4123
cotton
surveys 4806
yields 4806
herbicides
adjuvants 4123
application date 4123
hosts
insects 3536
Nematoda 4844
viruses 3536
lucerne
surveys 4806
yields 4806
maize
Egypt 3536
hosts of plant diseases 3536
hosts of plant pests 3536
surveys 4806
yields 4806
sorghum
surveys 4806
yields 4806
vegetables
surveys 4806
yields 4806
wheat
surveys 4806
yields 4806
Setaria viridis
barley
Canada 44
plant competition 44
population density 44
yields 44
biology
digestibility 1179
emergence 858
energy content 1179
enzymes 2639
genetic variation 2639, 3962
genotypes 2639
morphology 2639
pollination 2639
proteins 1179
taxonomy 2639
celery
allelopathy 1787
growth rate 1787
control
chemical control 425, 1079, 1216, 1562, 1564, 2058, 2087, 3269, 4002, 4225
cultural control 322, 425, 2602, 5082
integrated control 425
physical control 2058, 3269, 5082
ecology
biotypes 2361, 3962
introduction 2639
population dynamics 858
survival 2602
flax, Canada 2087

Setaria viridis *cont.*
herbicides
acetyl-CoA carboxylase 1806
chlorophyll 3962
chloroplasts 2361
cross resistance 1806
degradation 4943
enzymes 1806, 3962
glutathione transferase 3962
leaves 4943
rain 425
resistance 1598, 1806, 2361, 2684, 3962
translocation 4943
uptake 4943
hosts
insects 3536
viruses 3536
maize
Canada 3269
Egypt 3536
hosts of plant diseases 3536
hosts of plant pests 3536
plant competition 1776
USA 1079, 2602
yields 1776
oats, USA 2602
Phaseolus vulgaris, USA 310
rape
Canada 44
plant competition 44
population density 44
yields 44
safflower, Canada 322
seeds
seed banks 2602
seed germination 2602
seed production 2602
soyabeans
plant competition 1776
USA 2602
yields 1776
strawberries, allelopathy 4225
sugarbeet
composition 2203
economics 2203
growth rate 2203
light 2203
plant competition 2203
plant height 2203
population density 2203
sugars 2203
USA 2203
yields 2203
Trifolium, USA 2602
utilization, fodder crops 1179
wheat
Canada 44
plant competition 44
population density 44
yields 44

Sethoxydim
acetyl-CoA carboxylase 1943
barley 1947
Eleusine indica 4114
maize 1943
oats 1947
peas 1943
adjuvants
maize 4625
sugarbeet 2886
wheat, as weeds 1167
amino acids, maize 3207
antagonism 3232
Digitaria sanguinalis 233
maize 4625
Sorghum halepense 233
application, carriers 1956
application date
Brachiaria platyphylla 4582
Digitaria ciliaris 4582
Digitaria sanguinalis 233, 4582
Echinochloa crus-galli 1721
Eleusine indica 4582
Eriochloa gracilis 1721
lucerne 1621
Panicum texanum 4582
potatoes 313
Sorghum halepense 233, 1721, 4582
soyabeans 3827, 4645
sugarbeet 3827

Sethoxydim *cont.*
application date *cont.*
Vigna mungo 5074
application methods
potatoes 313
soyabeans 4645
application rates
Digitaria sanguinalis 233, 1811
kenaf 1662
lucerne 1621
potatoes 313
Setaria faberi 1811
Sorghum halepense 233
soyabeans 4645
sugarbeet 2886
Vigna mungo 5074
binding sites 1943, 3232
cell membranes 3232
chemistry
degradation 4974
photolysis 4974
structure 1943, 3232
chloroplasts
maize 1943
peas 1943
composition, tobacco 2514
control
Amaranthus, sugarbeet 3827
Amaranthus palmeri, groundnuts 325
barley, as weeds 4974
Brachiaria plantaginea, soyabeans 4645
Brachiaria platyphylla 4582
cotton 5108
Bromus tectorum, Festuca 2458
Chenopodium album, Bromus inermis 2456
Digitaria ciliaris 4582
Digitaria sanguinalis 233, 1811, 4582
cotton 5108
maize 4625
Echinochloa crus-galli 1721
cotton 5108
cucumbers 4221
soyabeans 3312
sugarbeet 2886
Eleusine indica 4582
cotton 5108
Elymus repens 1507
lucerne 1621
Eriochloa gracilis 1721
Eriochloa villosa, maize 4625
Panicum miliaceum, maize 4625
Panicum texanum 4582
groundnuts 325
Poaceae
chickpeas 4648
kenaf 1662
lentils 4648
Setaria faberi 1811
grapes 3345
maize 4625
Setaria viridis, Phaseolus vulgaris 310
Sorghum halepense 233, 1721, 4582
cotton 5108
soyabeans 3312
tobacco 2514
weeds
aubergines 3332
Capsicum 3332
chickpeas 4648
grapes 3345
lentils 4648
lucerne 5063
onions 3332
peas 1215
Phaseolus 2860
Phaseolus vulgaris 310
Pinus taeda 350
potatoes 313
soyabeans 3827
sugarbeet 3827
tomatoes 3332
Vigna mungo 5074
wheat, as weeds 1167
cross resistance, *Eleusine indica* 4114
damage
Bromus inermis 2456
cucumbers 4221
kenaf 1662

Sethoxydim *cont.*
damage *cont.*
maize 4625
oats 1956
Phaseolus vulgaris 310
rape 3236
vegetables 2860
degradation, rape 3236
economics, *Phaseolus vulgaris* 310
enzymes 1943
barley 1947
Eleusine indica 4114
maize 1943
oats 1947
peas 1943
fatty acids
barley 1947
maize 3207
oats 1947
genetics, *Avena fatua* 4955
growth rate
Pinus taeda 350
rape 3236
tobacco 2514
interactions
adjuvants 1167, 4625
fertilizers 4625, 4974
herbicides 233, 2860, 3232, 3236, 3312, 3827, 4582, 4625, 4648, 5108
plant growth regulators 1507
surfactants 1167, 4625
light
oats 1956
Setaria pumila 1956
meristems, maize 3207
mode of action 313, 3232
Eleusine indica 4114
maize 3207
morphology, cucumbers 4221
pH
oats 1956
Setaria pumila 1956
plant height
kenaf 1662
Pinus taeda 350
population density, kenaf 1662
quality, lucerne 1621
registration, USA 1662
residual effects, vegetables 2860
resistance
Avena fatua 4955
Digitaria sanguinalis 1811
Eleusine indica 4114
Lolium rigidum 983
Setaria faberi 1811
Sorghum halepense 4409
seed production, *Vigna mungo* 5074
surfactants, maize 4625
survival, *Pinus taeda* 350
temperature
oats 1956
Setaria pumila 1956
tolerance, maize 4625
ultraviolet radiation
oats 1956
Setaria pumila 1956
uptake
oats 1956
Setaria pumila 1956
yields
aubergines 3332
Bromus inermis 2456
Capsicum 3332
chickpeas 4648
cucumbers 4221
groundnuts 325
kenaf 1662
lentils 4648
lucerne 1621
maize 4625
onions 3332
peas 1215
Phaseolus vulgaris 310
rape 3236
soyabeans 3312, 4645
sugarbeet 3827
tobacco 2514
tomatoes 3332
Vigna mungo 5074

Sherardia, control, chemical control 2500

Shortleaf pine (*see Pinus echinata*)
Shrubs
Loranthaceae
host parasite relationships 5155
nutrient content 5155
Pinus
disturbed land 5129
introduction 5129
invasion 5129
Viscaceae
host parasite relationships 5155
nutrient content 5155
Sibara virginica
biology, history 501
ecology
distribution 501
disturbed land 501
habitats 501
USA 501
Sicyos
biology 2507
habit 2507
Citrus
occurrence 2507
plant competition 2507
control
chemical control 2507
physical control 2507
soyabeans
occurrence 2507
plant competition 2507
sugarcane
occurrence 2507
plant competition 2507
toxicity, man 2507
Sida acuta
Australia 564, 3998
control, biological control 564, 3997-3998
ecology
distribution 564
introduction 564
population density 3998
spread 6
survival 3998
hosts, insects 3997
seeds
seed dispersal 6
seed production 3998
seed weight 3998
Sida rhombifolia
Australia 564
biology, identification 3485
control, biological control 564, 3997
ecology
distribution 564, 3485
introduction 564
phenology 3485
hosts, insects 3997
Sida spinosa
biology, plant diseases 3221
control
biological control 3221
chemical control 1644, 1648, 1724, 2036, 2503, 2880, 5109
herbicides
application rates 1724
chlorophyll 3221
light 3221
membrane permeability 3221
plasma membranes 3221
sphingolipids 3221
hosts, fungi 544
Siduron
analytical methods
chromatography 4576
liquid chromatography 122
mass spectrometry 122
application, surfactants 4576
control, *Cynodon, Agrostis stolonifera* 5124
damage, lawns and turf 1242
interactions
iron 5124
plant growth regulators 5124
surfactants 4576
quality, *Agrostis stolonifera* 5124
residues
groundwater 122
river water 122
soil 1082
Siduron *cont.*
residues *cont.*
tap water 122
soil
leaching 1082
persistence 1082
photolysis 1082
sorption 1082
volatilization 1082
Silene alba
biology
anther culture 3
calyx 4778
chloroplasts 2640
DNA 2640
dry matter distribution 2180, 4340
embryology 1754
emergence 2677
enzymes 2640
flowering 1438, 2180, 2677
flowers 10, 4778
fruiting 2180, 4340
fruits 10
genetic variation 2640
growth rate 10, 2180
haploidy 3
life history 4340
plant diseases 1438-1439
plant growth regulators 1754
plant height 10, 2180
pollen 2640
pollination 2677, 4340
reproduction 10, 2180, 4340
sex 3
sex differentiation 10, 1438
sex ratio 2677
sexual dimorphism 2180, 4340, 4778
tissue culture 1754
ecology
genotype environment interaction 4778
light 10
nutrient availability 10, 2677
population density 1438-1439
population dynamics 2677
soil water 10
herbicides
embryos 1754
tissue culture 1754
hosts, fungi 1438-1439
Poland 3
seeds 2677
embryos 1754
seed dispersal 2640
USA 1438-1439, 2640
Silene conoidea
control
chemical control 4165
physical control 4165
Silene dioica
biology
enzymes 1417
fertilization 1417
flowering 1417
genetic variation 1417
growth rate 3489
pollination 1417
ecology
distribution 1417
establishment 3489
habitats 1417
heavy metals 1417, 3489
metal tolerance 3489
nickel 3489
population genetics 1417
hosts, fungi 542
seeds
seed dispersal 1417
seed germination 3489
Sweden 1417
Silene gallica, sugarbeet, surveys 3511
Silene latifolia (*see Silene alba*)
Silene vulgaris
biology
citrates 1829
composition 1829
malic acid 1829
organic acids 1829
oxalates 1829
translocation 1829
zinc 1829
Silene vulgaris *cont.*
cereals, surveys 1402
ecology, metal tolerance 1829
Silver fir (*see Abies alba*)
Silybum marianum
urban areas
establishment 2612
spread 2612
temperature 2612
Simazine
analytical methods
bioassays 1879
ELISA 1875, 3130
enzyme immunoassay 3574
extraction 569, 571, 2285, 4459, 4864
fluorescence 1034
freeze drying 2284
gas chromatography 569, 1037, 2292, 4459
HPLC 569, 571, 4864
liquid chromatography 2285
mass spectrometry 1037
sampling 3560
thin layer chromatography 1034, 4864
application
adjuvants 4512
application date 3587
disposal 868
application date
apples 4662
forests 3388
grapes 2057
Lupinus 4924
maize 1998
rights of way 3388
roadsides 3388
sorghum 1607
sugarcane 2884
Trifolium incarnatum 757
application methods
Lupinus 4924
maize 1998
olives 2500
sugarcane 2884
application rates
apples 2055
grapes 779, 2057
Lavandula angustifolia 1247
maize 3584, 4151
Origanum vulgare 1247
rosemary 1247
sage 1247
soyabeans 3584
sugarcane 2884
Vaccinium ashei 1222
bioassays
algae 1879, 3682
Lolium 4512
oats 1466
chemistry
chemical properties 3587
degradation 1908, 2500, 3550, 3587, 4007
hydrolysis 4911
oxidation 3550, 4007
ozone 4007
pH 4007
ultraviolet radiation 4007
chlorophyll, *Vaccinium ashei* 1222
chloroplasts, maize 1146
composition, olives 2879
control
Agrostis capillaris
Festuca 3304
grasslands 3304
algae, rice 2016
Amaranthus, sour oranges 2058
Amaranthus retroflexus, apples 4662
Bromus diandrus, Trifolium subterraneum 1209
Capsella bursa-pastoris, sour oranges 2058
Cassia obtusifolia
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Quercus virginiana 3376
Viburnum utile 3376

Simazine *cont.*
control *cont.*
Cerastium glomeratum, lucerne 2460
Cirsium arvense
apples 3343
cherries 3343
Convolvulus arvensis
guavas 3351
mandarins 3346
olives 2500
sour oranges 2058
Conyza canadensis
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Coronopus didymus, lucerne 2460
Cynodon dactylon
guavas 3351
mandarins 3346
sour oranges 2058
Cyperus esculentus
Coreopsis lanceolata 1248
Echinacea purpurea 1248
Gaillardia aristata 1248
Leucanthemum vulgare 1248
Cyperus rotundus 2604
guavas 3351
mandarins 3346
sour oranges 2058
Dactylis glomerata
Festuca 3304
grasslands 3304
Digitaria ciliaris, sour oranges 2058
Digitaria sanguinalis
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Echinochloa crus-galli
sorghum 1607
sour oranges 2058
Eclipta alba
Coreopsis lanceolata 1248
Echinacea purpurea 1248
Gaillardia aristata 1248
Leucanthemum vulgare 1248
Eleusine indica
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Quercus virginiana 3376
Viburnum utile 3376
Elymus repens
apples 3343
cherries 3343
Euphorbia hirta
guavas 3351
mandarins 3346
Euphorbia humistrata
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Galium, olives 2500
Hordeum murinum subsp. *leporinum, Trifolium subterraneum* 1209
Lavatera, olives 2500
Lolium perenne
Festuca 3304
grasslands 3304
Lolium rigidum, Trifolium subterraneum 1209
Malva, olives 2500

Simazine *cont.*
control *cont.*
Oenothera laciniata
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lagerstroemia fauriei × *L. indica* 3376
ornamental plants 3376
Quercus virginiana 3376
Viburnum utile 3376
Poa annua, lucerne 2460
Poaceae
olives 2500
Trifolium subterraneum 1209
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
Portulaca oleracea, sour oranges 2058
Rumex obtusifolius
apples 3343
cherries 3343
lucerne 2460
Setaria faberi, grapes 3345
Setaria pumila, apples 4662
Setaria viridis, sour oranges 2058
Sherardia, olives 2500
Solanum nigrum, sour oranges 2058
Sonchus arvensis
apples 3343
cherries 3343
guavas 3351
Sorghum halepense
apples 2495
guavas 3351
mandarins 3346
peaches 2495
Sporobolus indicus, Cynodon dactylon 2522
Stellaria media
apples 3343, 4662
cherries 3343
sunflowers, as weeds, sorghum 1607
Taraxacum officinale
apples 3343
cherries 3343
lucerne 2460
Trifolium repens, lucerne 2460
Vulpia bromoides, Trifolium subterraneum 1209
Vulpia myuros
Festuca 3304
grasslands 3304
Trifolium subterraneum 1209
weeds
apples 318, 1917, 2055, 2495, 4662, 5085
barley 3767
black currants 318
Festuca 3304
grapes 779, 2057, 3345
grasslands 3304
Hemarthria altissima 4196
hops 318
industrial sites 1096
lemons 4672
Lupinus albus 2463
maize 1470, 1998
olives 2500, 2879
oranges 4672
ornamental plants 318
peaches 2495
raspberries 318
rye 3767
strawberries 318
sugarcane 2884
Zantedeschia albomaculata 4249
damage
almonds 3818
apples 1931, 2055, 4662
Coreopsis lanceolata 1248
Cynodon dactylon 2522
Echinacea purpurea 1248
Gaillardia aristata 1248
Ilex cornuta × *I. pernvi* × *I. latifolia* 3376
Lavandula angustifolia 1247
Leucanthemum vulgare 1248
Origanum vulgare 1247
rosemary 1247

Simazine *cont.*
damage *cont.*
sage 1247
Vaccinium ashei 1222
development
Allium sphaerocephalon 2896
Canna 2896
Crocosmia crocosmiiflora 2896
Hemerocallis 2896
Iris germanica 2896
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
fats, olives 2879
flowering
Allium sphaerocephalon 2896
apples 2055
Canna 2896
Coreopsis lanceolata 1248
Crocosmia crocosmiiflora 2896
Echinacea purpurea 1248
Gaillardia aristata 1248
Hemerocallis 2896
Iris germanica 2896
Leucanthemum vulgare 1248
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
fruits
guavas 3351
mandarins 3346
growth rate
algae 1076, 3682
Allium sphaerocephalon 2896
apples 1931, 2055, 2495, 5085
Canna 2896
Crocosmia crocosmiiflora 2896
cyanobacteria 1076
Hemerocallis 2896
Iris germanica 2896
Lavandula angustifolia 1247
Lemna minor 3436
Lilium 2896
Lolium 4512
Narcissus 2896
Origanum vulgare 1247
Ornithogalum umbellatum 2896
Paeonia 2896
peaches 2495
rosemary 1247
sage 1247
soyabeans 1928
Vaccinium ashei 1222
interactions
copper sulfate 3560
fungicides 2892
herbicides 1209, 1607, 3376, 4019, 4662
legislation, USA 3304
lipids, maize 1146
mycorrhizas
apples 1931
soyabeans 1928
nutrient availability, apples 5085
nutrient uptake
algae 3436
cyanobacteria 3436
photosynthesis
Alisma plantago-aquatica 1879
almonds 3818
bioassays 1879
Ranunculus trichophyllus 1879
plant diseases
cereals 2338
cotton 2892
grain legumes 2338
oilseed plants 2338
potatoes 2338
sugarbeet 2338
plant height, sour oranges 2058
properties, physical properties 3587
quality
guavas 3351
lemons 4672
mandarins 3346
oranges 4672
registration, Canada 3436
residual effects 4151
apples 2055

Simazine *cont.*
residues
aquifers 2300, 3657
atmosphere 137, 1882, 2306, 3560, 3578
drinking water 1096, 2300, 3584, 3589, 4864
foods 2731
groundwater 1096, 2300, 3592, 4032, 4042
growing media 2757
lakes 582, 1072
maize 1998, 3574
marine environment 1468
precipitation 3578
rain 137, 2306, 3560
river water 571, 2300, 3682, 4033
rivers 2285, 4932
sea water 1471
sediment 1864
soil 182, 569, 582, 1087, 1096, 1098, 1465-1466, 1865, 1917, 2300, 2337-2338, 2757, 3130, 3162, 3165, 3657, 3818, 4088, 4151, 4512, 4515, 4523, 4530, 4911, 4914, 4924
soil water 1087, 1096, 4924
streams 4071
surface water 1098, 2300, 3583, 3592, 4032, 4864
Vaccinium corymbosum 1050
waste water 868
water 569, 571, 582, 868, 1072, 1076, 1468, 1875, 1879, 2284-2285, 2300, 2731, 2758, 3550, 3560, 3587, 3657, 4071, 4082, 4877, 4932
wells 1470, 2300
resistance
Amaranthus 2500
Conyza 2500
Lolium rigidum 983
root nodules, soyabeans 1928
seed germination, sour oranges 2058
seed production
lucerne 2460
Trifolium incarnatum 757
selectivity, sorghum 1607
soil
adsorption 4911
bacteria 2337, 4523
biodegradation 4523
degradation 1087, 1096, 1098, 1465-1466, 2500, 3657, 4151, 4911, 4914, 4924
denitrification 2337
erosion 2879
fertilizers 1087
fungi 2338, 4088
humus 3165
irradiation 4911
leaching 1087, 1096, 2757, 4512, 4515, 4924
microbial activities 2337
microbial degradation 182
microorganisms 182, 1917, 2337
mineralization 182
movement 1465, 2300, 3162, 3657, 4512, 4924
mycorrhizas 4088
nitrification 2337
organic matter 4911
persistence 1096, 1465-1466, 3657, 4151, 4515, 4911, 4914, 4924
pH 4911, 4924
runoff 582, 1098, 4071
soil flora 2337
soil types 1087, 4911, 4914
soil water 2879, 4914, 4924
sorption 1096, 3162, 3165, 3657, 4512
temperature 4911, 4914
sprayers, sugarcane 2884
tolerance
Allium sphaerocephalon 2896
apples 2055
Canna 2896
Coreopsis lanceolata 1248
Crocosmia crocosmiiflora 2896
Echinacea purpurea 1248
Gaillardia aristata 1248

Simazine *cont.*
tolerance *cont.*
Hemerocallis 2896
Iris germanica 2896
Leucanthemum vulgare 1248
Lilium 2896
Narcissus 2896
Ornithogalum umbellatum 2896
Paeonia 2896
Vaccinium ashei 1222
toxicity
algae 1076
aquatic organisms 3436
carcinogens 3584
cyanobacteria 1076
ecosystems 3436
fishes 1072
fungi 2338, 2892
hamsters 4042
man 1892, 3584, 4486
mutagens 1892
public health 1096
rats 1892, 1899
soil flora 2337
tubers, *Zantedeschia albomaculata* 4249
uptake, oats 1466
water
biodegradation 2758, 4082, 4932
degradation 3550, 3657, 4032, 4071
movement 3583, 3657
oxidation 4082
persistence 1096, 3657
sorption 3657
ultraviolet radiation 4082
yield components
guavas 3351
lucerne 2460
mandarins 3346
yields
apples 2055, 3343, 5085
cherries 3343
guavas 3351
lemons 4672
lucerne 2460
Lupinus albus 2463
maize 1998
olives 2879
oranges 4672
Trifolium subterraneum 1209
Zantedeschia albomaculata 4249

Simetryn
bioassays, algae 3682
chlorophyll, algae 4049
genetics
algae 4305
cyanobacteria 4305
growth rate
algae 3448, 3682
cyanobacteria 3448
nontarget effects
algae 4050
bacteria 4050
Crustacea 4050
nutrient availability, algae 4049
pH, algae 4049
photosynthesis, algae 4049
population density, algae 4049
population dynamics
algae 4305
cyanobacteria 4305
residues
river water 3682
sediment 2301
water 2301, 4049-4050, 4305
resistance
algae 3448, 4305
cyanobacteria 3448, 4305
soil, runoff 2301
species diversity
algae 3448, 4305
cyanobacteria 3448, 4305
toxicity
algae 4049-4050, 4305
bacteria 4050
Crustacea 4050
cyanobacteria 4305
phytoplankton 4049
zooplankton 4049
water
oxygen 4049
pH 4049

Sinapis
Germany 2099
hosts, beneficial insects 556
Sinapis alba
biology
enzymes 3526
epoxide hydrolase 3526
fatty acids 3526
buckwheat
allelopathy 3500
growth rate 3500
seed germination 3500
Canada 1650
control
chemical control 1571
cultural control 3721
physical control 1580
Germany 4067
herbicides
application methods 4134
application rates 1650
bioassays 1451, 4068
chlorophyll 4067
damage 4067
deposition 4134
growth rate 1510
leaves 4067
nozzles 4134
oils 1650
rain 1571
residual effects 4067
roots 1510
seed germination 1510
surfactants 1571, 4546
tolerance 1650
uptake 4546
yields 1650
hosts, Nematoda 558
lawns and turf, Sweden 3721
New Zealand 4196
seeds, composition 3526
sugarbeet, hosts of plant pests 558
Sweden 1580
weed control
application date 1580
bioassays 1580
Sinapis arvensis
barley
biological control 3763
Canada 1189
chemical control 3763
control 3763
growth rate 3763
Lithuania 3763
plant competition 1189
surveys 3954
yields 3763
biology
branching 4407
chlorophyll 4407
composition 2403
development 2606
genes 210
genetics 210
growth rate 2606, 4407
interspecific hybridization 210
morphology 4407
plant growth regulators 4407
plant height 2606, 4407
roots 4407
senescence 4407
Canada 4555
celery
allelopathy 1787
growth rate 1787
cereals, surveys 974
chickpeas, surveys 3954
control
biological control 3763
chemical control 424, 942, 1216, 1394, 2221, 2498, 3261, 3763, 3811, 4549
cultural control 1189, 3261, 3763, 3773, 4161
integrated control 3261
physical control 1394, 2221, 3261, 3763, 3808
ecology
biotypes 4407, 4543
Nematoda 4813
plant competition 2606

Sinapis arvensis *cont.*
ecology *cont.*
soil types 3954
surveys 3954
temperature 4407
faba beans, surveys 3954
fodder beet, Denmark 3808
herbicides
application rates 424
binding proteins 4543
bioassays 4514
cross resistance 1806
degradation 4549
enzymes 4549
genetics 4555
growth rate 424, 4543
mode of action 4549
morphology 424
plant growth regulators 4543
resistance 210, 1806, 4555
uptake 424
hosts
pathogens 2081
viruses 2081
lentils, surveys 3954
maize, surveys 3954
onions, Denmark 3808
Phaseolus vulgaris
Canada 941
plant competition 941
population density 941
seed weight 941
yields 941
potatoes, surveys 2221
rape
Canada 942
composition 942
erucic acid 942
glucosinolates 942
linolenic acid 942
oils 942
oleic acid 942
plant competition 942
proteins 942
quality 942
seed contamination 942
yields 942
seeds
seed banks 5
seed contamination 942
seed dispersal 5
seed germination 4407
sugarbeet
allelopathy 1401
composition 1401
growth rate 1401
plant competition 3054
plant height 3054
population density 3054
sucrose 3054
sugars 1401
USA 3054
yields 3054
sunflowers
economic thresholds 1394
Italy 1394
plant competition 1394
population density 1394
tobacco
economics 2081
light 2081
mineral nutrition 2081
plant competition 2081
water relations 2081
toxicity, Nematoda 4813
wheat
control 4161
fertilizers 4161
Jordan 4161
surveys 3954
Sindone B 217
Sisymbrium officinale
biology, respiration 2157
ecology
nitrates 1743
nutrient availability 1741, 1743
seasonal variation 1741
Netherlands 1741, 1743
seeds
buried seeds 1741, 1743
light 1741, 1743, 2157
Sisymbrium officinale *cont.*
seeds *cont.*
plant growth regulators 1741
seed dormancy 1741, 1743, 2157
seed germination 1743, 2157
temperature 1743, 2157
water 1743
Sisymbrium orientale
ecology, biotypes 4410
herbicides
enzymes 4410
resistance 4410
susceptibility 4410
Sisyrinchium platense
Brazil 385
toxicity, cattle 385
Sitka spruce (*see Picea sitchensis*)
Slash pine (*see Pinus elliottii*)
Slovakia
cereals 5022
Equisetum telmateia 1793
fodder beet 2385
herbicides, MCPA 4444
sage 3384
sugarbeet 2385
weed control
allelopathy 3028
forests 3028
weeds 4599
allergens 1262, 4720
Butomus umbellatus 1398
distribution 4350, 4400
Kickxia elatine 4350
pollen 1262, 4720
surveys 1414
taxonomy 4350
Veronica filiformis 4400
Slovenia
barley 3764
oats 3764
sugarbeet 3759
wheat 3759
Small fruits, weeds, physical control 4987
SMY1500 1729
SN 124 085 2363
Snails
control
Echinochloa oryzoides, rice 1015
Raphanus raphanistrum 3034
weeds, rice 1015-1016
Snap beans (*see Phaseolus vulgaris*)
Sodium thiocyanate, control, *Solanum elaeagnifolium* 388
Solanaceae
biology
growth 1763
taxonomy 1763
ecology, light 1763
Solanum
biology
fatty acids 2696
growth 1763
identification 3488
taxonomy 1763, 2696, 3488
control
chemical control 2411, 2875
integrated control 2411
physical control 2411
ecology, light 1763
seeds, composition 2696
Solanum carolinense
control, chemical control 1599
herbicides, population density 1599
maize, USA 1599
Solanum elaeagnifolium
aubergines, hosts of plant pests 3995
biology
growth rate 2118
water relations 31
control 3746
biological control 3112-3113, 3410, 3540, 3995, 4722
chemical control 388, 2086
cotton
plant competition 31
soil water 31
USA 2086
water relations 31
herbicides, adjuvants 388
hosts, insects 3410, 3995
Morocco 388
Solanum elaeagnifolium *cont.*
South Africa 4722
Solanum glaucophyllum
Argentina 5154
control, chemical control 5154
Solanum incanum
biology
composition 2543
nomenclature 2543
taxonomy 2543
ecology
climate 2543
distribution 2543
hosts, insects 3540
toxicity, livestock 2543
Solanum khasianum
control
chemical control 3322
physical control 3322
Solanum mauritianum, control, biological control 3112-3113
Solanum melongena (*see* Aubergines)
Solanum nigrum
biology
alkaloids 2115
callus 2911
chlorophyll 1671
composition 373, 2115, 2403, 3856
development 1269
dry matter distribution 468
electron transfer 1671
fluorescence 1671
glyoxysomes 1268
growth rate 468, 1671, 2911
leaves 1671
lipid bodies 1268
photosynthesis 468, 1671
plant diseases 3221
plant growth regulators 2911
plant height 1671
reproduction 468
roots 1671
shoots 1671
thylakoids 1671
tissue culture 2911
toxins 3856
Capsicum, plant competition 3718
Capsicum annuum
nutrient uptake 2195
plant competition 2535
Spain 2535
yields 2535
celery
allelopathy 1787
growth rate 1787
Citrus, hosts of plant pests 4844
control
biological control 3221
chemical control 315, 1590, 2058, 2069, 2492, 3718, 3741, 4182, 4235, 4455, 4650, 4688, 5107
integrated control 3718
physical control 1740, 2058, 3718, 4650
cotton
chemical control 4688
USA 4688, 5107
ecology
biotypes 1671, 1673, 4815
cycling 3927
decomposition 3927
light 468
Nematoda 4813
nutrient content 2195, 3927
plant competition 468
grapes, hosts of plant diseases 3985
herbicides
application rates 3741
bioassays 4235
chlorophyll 3221
light 3221
lipids 1673
membrane permeability 3221
nutrient uptake 4650
plasma membranes 3221
resistance 1320, 1671, 1673, 4815
sphingolipids 3221
thylakoids 1673
hosts
mycoplasma-like organisms 3985
Nematoda 2545, 4844

Solanum nigrum *cont.*
hosts *cont.*
pathogens 2081
viruses 1010, 2081
maize
chemical control 1603
composition 2115
control 1320
emergence 1603
France 52
Italy 1590
nitrates 2115
nutrient content 2115
nutrient uptake 2195
plant competition 3718
spatial distribution 52
Switzerland 2115
Ukraine 1603
melons, hosts of plant pests 2545
onions, plant competition 3718
Pakistan 2545
peas, Italy 1590
potatoes, Italy 1590
roses, hosts of plant pests 2545
seeds
buried seeds 1740
embryos 1268-1269
endosperm 1268-1269
light 1740
seed germination 897, 1740, 5016
seed production 1671
seed weight 1671
soil depth 5016
temperature 897, 5016
soyabeans, plant competition 3718
sugarbeet
chemical control 2069
control 2069
sunflowers
Italy 1590
plant competition 3718
tobacco
economics 2081
Italy 1590
light 2081
mineral nutrition 2081
plant competition 2081
water relations 2081
tomatoes
hosts of plant diseases 1010
Italy 1590
nutrient uptake 2195
toxicity
mammals 2115
Nematoda 4813
utilization
antifungal plants 3856
feeds 2115
green manures 3927
nematicidal plants 2403
weed control, seed germination 1740
Solanum physalifolium
sugarbeet
emergence 2217
phenology 2217
seed germination 2217
Spain 2217
Solanum ptycanthum
control
biological control 1022
chemical control 5071
ecology
distribution 986
habitats 986
introduction 986
herbicides
application rates 986
genetic variation 986
growth rate 986
resistance 986
Phaseolus vulgaris, USA 5071
tomatoes
Canada 3936
emergence 3936
growth rate 3936
leaf area 3936
leaves 3936
plant competition 3936
population density 3936
yields 3936
Solanum pyracanthum
potatoes
nutrient uptake 936
plant competition 936
yields 936
Solanum sarrachoides
biology
embryology 1757
leaves 1757
plant growth regulators 1757
somatic embryogenesis 1757
tissue culture 1757
control
chemical control 1630, 2509, 3792, 3811, 4688, 5098, 5107
physical control 1740
cotton
chemical control 4688
USA 4688, 5107
herbicides, tissue culture 1757
potatoes
emergence 3929
plant competition 3929
USA 3929
seeds
buried seeds 1740
light 1740
seed germination 1740
weed control, seed germination 1740
Solanum seaforthianum
ecology
distribution 3911
population density 3911
Solanum sisymbriifolium, control, biological control 3112-3113, 3540
Solanum triflorum, control, chemical control 1630
Solanum tuberosum (*see* Potatoes)
Solanum viarum
biology
carbohydrates 1328
emergence 1328
flowering 1328, 5178
growth rate 1328, 1790
leaves 1328
morphology 1790
plant growth regulators 5178
plant height 1328
regrowth 1328
Capsicum annuum, hosts of plant diseases 2275
control
chemical control 1328, 5178
cultural control 1328
integrated control 1328
cucumbers, hosts of plant diseases 2275
ecology
distribution 1790
herbivores 1790
soil types 1790
herbicides, application rates 5178
hosts
fungi 2275
insects 2275
viruses 2275
potatoes
hosts of plant diseases 2275
hosts of plant pests 2275
seeds
seed germination 1328
soil depth 1328
tobacco, hosts of plant diseases 2275
tomatoes, hosts of plant diseases 2275
USA 2275
Solidago altissima
biology 2643
flowering 910
growth rate 2174
plant growth regulators 2174
plant height 2174
reproduction 910
rhizomes 2174
senescence 2174
Canada 2643
hosts
insects 2174
natural enemies 2643
Poland 2643
Solidago canadensis
biology 2643
Canada 2643
Solidago canadensis *cont.*
control
chemical control 502
cultural control 502
physical control 502
Cuscuta europaea
chlorophyll 2128
flowering 2128
growth rate 2128
host parasite relationships 2128
Lithuania 2128
fallow
plant succession 502
population dynamics 502
hosts, natural enemies 2643
Poland 2643
rye
plant succession 502
population dynamics 502
seeds, seed banks 502
sorghum
plant succession 502
population dynamics 502
Solidago gigantea
biology 2643
growth 2178
life cycle 2178
reproduction 2178
vegetative propagation 2178
Canada 2643
control 2178
ecology, weed associations 2178
hosts, natural enemies 2643
Hungary 2178
maize, weed associations 2241
Poland 2643
Solidago graminifolia
Dodecatheon meadia
distribution 951
habitats 951
population density 951
Equisetum laevigatum
distribution 951
habitats 951
population density 951
grasslands
distribution 951
habitats 951
population density 951
Pedicularis canadensis
distribution 951
habitats 951
population density 951
Phlox glaberrima
distribution 951
habitats 951
population density 951
Pycnanthemum virginianum
distribution 951
habitats 951
population density 951
Sonchus
barley
population density 3953
seed banks 3953
surveys 3953
cereals
population density 3953
seed banks 3953
surveys 3953
control, physical control 1740
seeds
buried seeds 1740
light 1740
seed banks 3953
seed germination 1740
viability 3953
urban areas, plant communities 2614
weed control, seed germination 1740
Sonchus arvensis
barley
Canada 47
population density 47
biology 3910
identification 3910
control
biological control 3910
chemical control 277, 3343, 3351, 3910
cultural control 47, 277, 3910
physical control 47, 277, 3351

Sonchus arvensis *cont.*
Dactylis
plant competition 3507
population dynamics 3507
Russia 3507
ecology, distribution 3910
fallow
Canada 47
population density 47
Festuca
plant competition 3507
population dynamics 3507
Russia 3507
flax
Canada 47
population density 47
Phleum
plant competition 3507
population dynamics 3507
Russia 3507
rape
Canada 47
population density 47
seeds
seed dispersal 2600
seed germination 2600
seed morphology 2600
wheat
Canada 47
population density 47
Sonchus asper
biology 3910
identification 3910
cabbages, hosts of plant pests 96
control
biological control 3910
chemical control 3910
cultural control 3910
cucumbers, hosts of plant pests 96
ecology
distribution 3910
plant communities 1750
population density 1750
garlic, hosts of plant pests 96
hosts
insects 96, 4434
viruses 4434
onions, hosts of plant pests 96
Phaseolus vulgaris, hosts of plant pests 96
rape
seed production 1750
UK 1750
seeds, seed banks 1750
tomatoes
hosts of plant diseases 4434
USA 4434
Sonchus oleraceus
biology 3910
identification 3910
control
biological control 3910
chemical control 3910
cultural control 3910
ecology
biotypes 4410, 4556
distribution 3910
fallow
population dynamics 1795
surveys 1795
herbicides
enzymes 4410, 4556
genetics 4556
resistance 4410, 4556
susceptibility 4410
sorghum
population dynamics 1795
surveys 1795
utilization, rennet 707
Sonchus uliginosus
biology 3910
identification 3910
control
biological control 3910
chemical control 3910
cultural control 3910
ecology, distribution 3910
Sophora flavescens
biology
composition 69
glycosides 69

Sophora flavescens *cont.*
biology *cont.*
roots 69
Sorbus
biology
flowers 462
morphology 462
pigments 462
taxonomy 462
Sorbus aucuparia
control
chemical control 3839
physical control 3839
ecology
browsing 4817
population dynamics 4817
forests, Norway 4817
pastures, population dynamics 488
Picea abies
invasion 3839
Norway 3839
plant competition 3839
Viscum album
host parasite relationships 2119
xylem 2119
Sorghum (*Sorghum bicolor*)
Acroptilon repens, Russia 3791
Amaranthus hybridus, population dynamics 2435
Amaranthus retroflexus
plant succession 502
population dynamics 502
Ambrosia artemisiifolia
plant succession 502
population dynamics 502, 2435
as weeds
biology
gene flow 452
taxonomy 452
control 452
chemical control 452
ecology
distribution 452
origin 452
plant competition 452
herbicides, resistance 452
seeds, seed banks 452
sorghum, genetic drift 452
Asphodelus fistulosus
surveys 4806
yields 4806
Aster pilosus
plant succession 502
population dynamics 502
Avena
population dynamics 1795
surveys 1795
Cassia obtusifolia
plant succession 502
population dynamics 502, 2435
cereals, as weeds, plant competition 4363
Chenopodium album, population dynamics 2435
Chloris gayana
population dynamics 1795
surveys 1795
Cnicus benedictus
plant succession 502
population dynamics 502
Convolvulus arvensis
population dynamics 1795
surveys 1795, 4806
yields 4806
Conyza canadensis
plant succession 502
population dynamics 502, 2435
Cynodon dactylon
plant competition 4806
surveys 4806
yields 4806
Cyperus rotundus
allelopathins 4541
allelopathy 1788, 4541
seed germination 4541
surveys 4806
yields 4806
Datura fastuosa
surveys 4806
yields 4806
Dichanthium sericeum
population dynamics 1795

Sorghum *cont.*
Dichanthium sericeum cont.
surveys 1795
Digitaria sanguinalis, population dynamics 2435
Echinochloa
population dynamics 1795
surveys 1795
Echinochloa colonum
allelopathy 2223, 3179-3180
bioassays 3180
growth rate 2223, 3179
seed germination 2223, 3179-3180
surveys 4806
yields 4806
Echinochloa crus-galli, Italy 1607
Eragrostis cilianensis
population dynamics 1795
surveys 1795
Festuca arundinacea
plant competition 2032
USA 2032
herbicides
adjuvants 2809
amino acids 3192
application date 1607, 2434, 3353, 4182, 4975
application methods 4975
application rates 1601, 2434, 2809, 4182
bioassays 3192, 4068
chloroplasts 218
damage 1192, 3278, 4182
degradation 2771
economics 729, 869
enzymes 218
growth rate 1905, 3192
morphology 657
nitrate reductase 218
pigments 218
plant diseases 3780
plant height 1905, 4975
population density 3780
residual effects 1601, 1905
roots 3780
safeners 686, 1192
seed banks 2809
seed germination 1905
selectivity 1607, 2771
soil water 271
tolerance 1192, 1601, 2771
translocation 2771
uptake 2771
variety trials 1192
yield components 271
yields 271, 729, 1606, 3780, 4975
Heterotheca latifolia
plant succession 502
population dynamics 502
Honduras 4438
India 1905, 2830, 3278, 5038
Ipomoea triloba
allelopathy 2223
growth rate 2223
seed germination 2223
Italy 4182
Kochia scoparia, USA 2434
Panicum decompositum
population dynamics 1795
surveys 1795
Portulaca oleracea
population dynamics 1795
surveys 1795
radishes
as weeds
allelopathy 2223, 3179-3180
bioassays 3180
growth rate 2223, 3179
seed germination 2223, 3179-3180
rice
as weeds
allelopathy 2223
growth rate 2223
seed germination 2223
Rottboellia cochinchinensis
allelopathy 2223
growth rate 2223
seed germination 2223
Schouwia thebaica
surveys 4806
yields 4806

Sorghum *cont.*
Setaria verticillata
surveys 4806
yields 4806
Solidago canadensis
plant succession 502
population dynamics 502
Sonchus oleraceus
population dynamics 1795
surveys 1795
sorghum, as weeds, genetic drift 452
Sorghum halepense
plant succession 502
population dynamics 502
Striga
host parasite relationships 2995
resistance 396
root exudates 2995
seed germination 2995
stimulants 2995
yields 396, 4363, 4729
Striga asiatica
fertilizers 3279-3280
host parasite relationships 2552, 2993, 2995, 3279-3280
India 3279-3280
plant competition 3279
resistance 2993
root exudates 2995
seed germination 2995
stimulants 2995
yields 3279
Striga gesnerioides, host parasite relationships 4279
Striga hermonthica
Benin 2831
Cameroon 1606
carbohydrates 2998
composition 2998
emergence 4731
fertilizers 2831, 2992
gas exchange 1689
growth rate 840, 2126, 2992
host parasite relationships 395, 840, 1606, 1690-1691, 2126, 2831, 2992-2993, 2998-3000, 4279, 4731
Mali 1689, 3000
Nigeria 1690-1691
nitrogen 2992, 2998-2999
nutrient availability 840, 2126, 2992, 2998-2999
photosynthesis 840, 1689, 2126, 2999
photosystem II 2999
plant height 1690
reproduction 4731
resistance 1690-1691, 2993
root exudates 2992
seed germination 2992, 2999
starch 2998
sugars 2998
survival 4731
translocation 1689
water relations 1689
yields 1606, 1689, 1691, 2126
sunflowers, as weeds, Italy 1607, 2062
Tribulus
population dynamics 1795
surveys 1795
Tribulus terrestris
plant competition 4806
surveys 4806
yields 4806
Urochloa panicoides
population dynamics 1795
surveys 1795
USA 271, 502, 729, 1192, 1612, 2435, 3780, 4975
weed control
application date 3279
economics 729
nitrogen 3279
nutrient uptake 3279
soil water 271
yield components 271
yields 271, 729, 1193, 1606, 3279-3280, 3791, 5038
weeds
chemical control 271, 1612
control 866, 1588, 2807, 3746, 5182
fertilizers 2809

Sorghum *cont.*
weeds *cont.*
insects 4438
integrated control 1322, 4314, 4806
occurrence 980, 3746
plant competition 2809, 4806
population dynamics 1795
surveys 1795, 4806
yields 4806
wheat
as weeds
allelopathy 2223
growth rate 2223
seed germination 2223
Xanthium spinosum
population dynamics 1795
surveys 1795
Xanthium strumarium, population dynamics 2435
Sorghum arundinaceum
seeds
imbibition 894
light 893
seed germination 893-894
soil water 893
temperature 893-894
viability 894
water 894
Sorghum bicolor (*see* Sorghum)
Sorghum halepense
apples, USA 2495
biology
alkaloids 4416
callose 4416
carbohydrates 4416
evolution 4344
flowering 467
fruits 467
growth rate 467, 926
leaf area 926
leaves 4416
lipids 4416
molecular genetics 4344
morphology 467
mucilages 4416
pectins 4416
polyphenols 4416
polysaccharides 4416
proteins 4416
reproduction 467
ripening 467
salts 4416
secretions 4416
sterols 4416
trichomes 4416
water relations 31
waxes 4416
control
chemical control 233, 424, 502, 1229, 1721, 2012, 2495, 2514, 3117, 3261, 3270, 3273, 3312, 3346, 3351, 3778, 4002, 4181, 4236, 4452, 4582, 4796, 5036-5037, 5108
cultural control 467, 502, 2214, 2495, 3261
integrated control 3261, 5036
physical control 502, 3261, 3270, 3273, 3346, 3351, 4181, 4236, 5036
cotton
Greece 4236
herbicide resistance 4409
plant competition 31
soil water 31
water relations 31
ecology 5110
carbon dioxide enrichment 926
light 467
soil types 4416
temperature 926
fallow
plant succession 502
population dynamics 502
forests, chemical control 5110
herbicides
antagonism 233
application date 233, 1721, 4582
application rates 233, 424
bioassays 4452
growth rate 424

Sorghum halepense *cont.*
herbicides *cont.*
morphology 424
resistance 3261, 4409
uptake 424, 4416
hosts
insects 3273
viruses 3273
Italy 467
maize
Greece 4181
hosts of plant diseases 3273
hosts of plant pests 3273
light 478
plant competition 478, 3270
Russia 3778
seed contamination 1341
USA 478, 2012, 3270, 3273, 5036-5037
yields 478
peaches, USA 2495
potatoes
plant competition 2213
population density 2213
tubers 2213
yields 2213
rye
plant succession 502
population dynamics 502
USA 2495
seeds
light 467
seed banks 502
seed dispersal 4344
seed dormancy 467
seed germination 467, 897
seed production 467
seed weight 467
temperature 897
sorghum
plant succession 502
population dynamics 502
soyabeans
Argentina 2214
plant competition 2214
population density 2214
rain 2214
USA 3312
yields 2214
sugarcane
growth rate 4796
plant competition 4796
population density 4796
seasonal variation 4796
stems 4796
sugars 4796
survival 4796
USA 1229, 4796
yield components 4796
yields 4796
tobacco, Greece 2514
USA 233, 1721
utilization 5110
feeds 1585
wheat, seed contamination 1341
Sorghum × *Sorghum sudanense*
Festuca arundinacea
plant competition 2032
USA 2032
Sorghum sudanense
Acroptilon repens, Russia 3791
weed control, yields 3791
weeds, allelopathy 4226
Sorghum versicolor
Striga gesnerioides
host parasite relationships 3001
resistance 3001
Sorghum vulgare (*see* Sorghum)
Sorghum
biology
composition 2543
nomenclature 2543
taxonomy 2543
ecology
climate 2543
distribution 2543
Raphanus raphanistrum, chemical control 3034
toxicity, livestock 2543
Sour cherries (*see* Cherries)
Sour oranges (*Citrus aurantium*)

Sour oranges *cont.*
Egypt 2058
herbicides
membrane permeability 4093
plant cuticle 3708
plant height 2058
seed germination 2058
surfactants 3708
temperature 4093
uptake 3708
weed control
plant height 2058
seed germination 2058
South Africa
Acacia longifolia 4712
Arachis glabrata 782
avocados 782
Chromolaena odorata 1018, 4711
Dichrostachys cinerea 1004
Digitaria eriantha 4200
Eucalyptus 4360, 4694
fynbos
Acacia cyclops 3398
Acacia saligna 3398
herbicides
glyphosate 4712
maize 1052
registration 4712
triclopyr 4712
lettuces 3810, 4657
maize 4212
Amaranthus hybridus 3076
nature reserves
Acacia longifolia 360
Acacia saligna 360
Panicum schinzii 4311
Paraserianthes lophantha 4712
Phaseolus vulgaris 4212
Phyla nodiflora 782
Pinus radiata 348, 5116
Polygonum capitatum 782
Prosopis glandulosa var. *glandulosa* 367
Prosopis torreyana 367
Prosopis velutina 367
Solanum elaeagnifolium 4722
sunflowers 4212
veld
Acacia cyclops 3398
Acacia saligna 3398
weed control
biological control 2710, 3112-3113, 3995, 4259-4260
insects 4260
Lantana camara 4259
Pinus radiata 354
Prosopis 367
reports 863
Sesbania punicea 2710
Solanum elaeagnifolium 3112-3113, 3995
Solanum mauritianum 3112-3113
Solanum sisymbriifolium 3112-3113
woody weeds 4260
weeds 4080
Chrysanthemoides moniliferum 825, 4436
climate 1801
distribution 5155
fynbos 4395
hosts of plant pests 4436
insects 3540
invasion 4395
Loranthaceae 5155
mistletoes 5155
Nassella trichotoma 1801
Solanum incanum 3540
Viscaceae 5155
South America
weeds
Delilia biflora 2642
distribution 2642
South Asia, flora 2623, 3025
South East Asia
Paspalum conjugatum 1573
rice 1197
weed control
biological control 1732, 3288, 3992-3993
Food and Agriculture Organization 4152
history 4152
South East Asia *cont.*
weed control *cont.*
microorganisms 3992
rice 1196, 3288
vegetables 4153
weeds
Chromolaena odorata 4147
climate 3948
distribution 3948
herbicide resistant weeds 4815
Reynoutria japonica 3948
rice 1196, 4815
South Korea (*see* Korea Republic)
Southern peas (*see Vigna unguiculata)*
Soyabeans (*Glycine max*)
Abutilon theophrasti
economics 4382
emergence 4381-4382
hosts of plant diseases 3981
plant competition 1776, 4381
population density 4381
population dynamics 4382
seed banks 4381-4382
seed production 4381
survival 4381-4382
USA 2602, 3981, 4381, 4643
yields 1776, 4381
Ageratum conyzoides, hosts of plant pests 4846
Amaranthus
Greece 1625
yields 1625
Amaranthus palmeri
growth rate 2204
plant competition 2204
plant height 2204
population density 2204
USA 2204
yields 2204
Amaranthus quitensis
Argentina 2037-2038
emergence 2037-2038
plant competition 2037
population dynamics 2037-2038
seed banks 2038
seed production 2038
survival 2038
Amaranthus retroflexus
Canada 1624
chemical control 903
ferulic acid 4374
plant competition 1776, 3718, 4374
population density 4374
USA 903
yields 903, 1776
Ambrosia artemisiifolia, USA 2469
Ambrosia trifida
economic thresholds 2655
growth rate 2655
morphology 2655
plant competition 2655
population density 2655
shading 2655
USA 2655
yields 2655
Apocynum cannabinum
population density 285
USA 285
Belarus 2461
Brachiaria plantaginea, Brazil 4645
Brazil 2293, 2730, 3797-3798
Cameroon 1212
Canada 940, 3265, 4207
Cassia obtusifolia, USA 2468, 2470-2471
Cassia occidentalis
plant competition 5066
USA 5066
Chenopodium album
allelopathy 1920
Canada 1624
chemical control 903
growth rate 1920
plant competition 1776, 3718
population density 4388
seed germination 1920
spatial distribution 4388
USA 903, 4388
yields 903, 1776
China 2198, 2354, 3311, 4618
Convolvulus arvensis
population density 285
Soyabeans *cont.*
Convolvulus arvensis cont.
USA 285
Croatia 2465-2466
Cynodon dactylon, Pakistan 1213
Digitaria sanguinalis, plant competition 3718
Echinochloa
Brazil 3497
plant competition 3497
yields 3497
Echinochloa colonum, Pakistan 1213
Echinochloa crus-galli
Bulgaria 3493
climate 3493
developmental stages 3493
growth rate 3493
plant competition 3493, 3718
population density 3493
temperature 3493
USA 3312
yields 3493
Elymus repens
Canada 1600, 4179
drought 1600
Euphorbia heterophylla
growth rate 2211
plant competition 2211
USA 2211
yields 2211
Festuca arundinacea
plant competition 2032
USA 2032
herbicides
acetyl-CoA carboxylase 2389
adjuvants 1564, 1975, 2469, 2655, 2809, 3794, 4179, 4643
allelopathins 4581
amino acids 3696
ammonia 3696
antagonism 3796
application date 1213, 2037-2038, 2354, 2471, 3795, 3797, 3827, 4643, 4645
application methods 2470, 2849, 4645
application rates 308, 903, 1601, 1625-1626, 1980, 2470-2471, 2809, 3265, 3584, 3794, 3797-3799, 4179, 4207, 4397, 4473, 4642, 4645, 5066
bioassays 3222, 4101, 4888
biosynthesis 3696
carbohydrates 3676
carotenoids 4561
cell culture 2344, 4888
cell suspensions 1128
chlorophyll 3676, 4561, 4960
chloroplasts 218
composition 2791
damage 308, 1212-1213, 1564, 1625-1626, 2330, 2389, 2469-2470, 3676, 3799, 4642, 4950
degradation 192, 649, 1120, 1938, 2344, 2346, 4473
economics 903, 1211, 1975, 2467, 2655, 3799, 4179, 4205, 4207, 5043
energy cost of activities 3799
energy relations 3265
environmental impact 3145, 3597
enzyme inhibitors 4561
enzymes 218, 227, 1541, 1938, 2346, 2389, 3222, 3696, 4561
glutamate-ammonia ligase 3696
glutamate synthase 3696
growth rate 1128, 1541, 1928, 2472, 3191, 3676, 3681, 4101, 4950
isomerases 3222
leaves 4960
leucine 1938
light 1541
lipoxygenase 227
mode of action 4561
mycorrhizas 1928
nitrate reductase 218
nitrite reductase 3696
nitrogen 3676, 4960
nitrogen fixation 4960
nodulation 3191
nozzles 2470
nutrient availability 2850

Soyabeans *cont.*
herbicides *cont.*
nutrient content 4960
oils 1625
phytoene 4561
pigments 218, 2791
plant height 2330, 4642, 4950
plant pests 2764, 5065
population density 308, 4642
proteins 1625, 3696
protoporphyrin 1541
quality 1625
residual effects 1601, 2330, 3309, 3313, 4618, 4627
residues 1035, 4473
root nodules 1928
roots 3681
safeners 2389
seed banks 2809
seed weight 1626
selectivity 649, 1625
soil water 2848, 4642
stomatal resistance 4950
surfactants 227, 1213, 4643
susceptibility 4101
temperature 3676
tissue culture 2346
tolerance 649, 1128, 1541, 1598, 1601, 1938, 2344, 2354, 2461, 2470, 3222, 3681, 4642
translocation 192, 649, 1120, 1938, 3676, 4473, 4960
uptake 192, 649, 1120, 1938, 2344, 3676
usage 1187
variety trials 3681, 4642
yield components 1626, 3798, 4950
yields 308, 758, 903, 1212-1213, 1600, 1626, 1975, 2036, 2354, 2464, 2467-2470, 2472, 2848, 2850, 3265, 3309, 3312, 3796, 3798-3799, 4179, 4204-4207, 4624, 4642-4643, 4645, 5043, 5065-5066
India 758, 1211, 2464, 2467, 2472, 2822, 2850, 3191, 3310, 3799, 4204-4206, 4473, 4627, 5043, 5065
Ipomoea lacunosa, USA 2468, 2470-2471, 3796
Italy 3718, 4138
Kazakhstan 2461
Kyrgyzstan 2461
Latvia 2461
Moldova 2461
Nicandra physalodes, hosts of plant pests 4846
Nigeria 740
Orobanche crenata
host parasite relationships 2852
resistance 2852
Oxalis latifolia
control 1779
India 1779
plant competition 1779
yields 1779
Panicum miliaceum
Italy 1210
population density 1210
yields 1210
Pharbitis hederacea
growth rate 4372
leaf area 4372
plant competition 4372
seed production 4372
soil water 4372
USA 4372
yields 4372
Philippines 2645
Polygonum persicaria
Italy 1210
population density 1210
yields 1210
Portulaca oleracea, plant competition 3718
Romania 4641, 4644
Rottboellia cochinchinensis
growth rate 2202
plant competition 2202
plant height 2202
seed production 2202
seed weight 2202

Soyabeans *cont.*
Rottboellia cochinchinensis cont.
USA 2202
Russia 2461
Senna obtusifolia, USA 3796
Sesbania exaltata, occurrence 4443
Setaria
chemical control 903
USA 903
yields 903
Setaria pumila
plant competition 1776
yields 1776
Setaria viridis
plant competition 1776
USA 2602
yields 1776
Sicyos
occurrence 2507
plant competition 2507
Solanum nigrum, plant competition 3718
Sorghum halepense
Argentina 2214
plant competition 2214
population density 2214
rain 2214
USA 3312
yields 2214
Striga gesnerioides
host parasite relationships 3429
resistance 3429
Tajikistan 2461
Teucrium canadense
population density 285
USA 285
Thailand 2848
Trianthema portulacastrum
hosts of plant pests 99
India 99
Tribulus terrestris
hosts of plant pests 99
India 99
Turkmenistan 2461
Ukraine 2461, 3313
USA 308, 1564, 1612, 1626, 1776, 2036, 2320, 2324, 2753, 2764, 3159, 3309, 3795, 4180, 4511, 4642, 5012
Uzbekistan 2461
weed control
application date 2465, 3309, 3718, 3797
application rates 3265, 3799
damage 3799
development 1624
economics 903, 1211, 1975, 2429, 2467, 3718, 3799, 4205, 4207, 5043
energy cost of activities 3799
energy relations 3265
environmental impact 3597
growth rate 2472
nutrient availability 2850
plant pests 5065
soil structure 1211
soil water 4207
yields 740, 758, 903, 1211, 1213, 1600, 1624, 1975, 2464, 2467-2469, 2472, 2848, 2850, 3265, 3309, 3799, 4205-4207, 4645, 5043, 5065
weeds
chemical control 1612, 1817, 1975, 1980, 2807, 3310-3311, 3314, 3827, 4180, 4397, 4641
control 307, 866, 2465, 3746, 4396, 4644, 5182
dry matter distribution 940
economic thresholds 2198
fertilizers 2809, 4627
growth rate 940
hosts of plant pests 4846
leaf area 940
nutrient content 2645
nutrient uptake 2645
occurrence 3746
plant competition 940, 2198, 2809
population density 4624, 4627
spatial distribution 4397
surveys 4396-4397
yield components 940
yields 940

Soyabeans *cont.*
Xanthium strumarium
Canada 208
growth rate 4372
Italy 1210
leaf area 4372
plant competition 934, 4372
population density 1210
resistance 934
seed production 4372
soil water 4372
USA 4372
yields 1210, 4372
yields, application methods 2849
Spain
Borago officinalis
Amaranthus 93
Datura 93
Nicotiana alba 93
Brassica
Amaranthus 93
Datura 93
Nicotiana alba 93
broccoli 2489
Bromus diandrus 2580
Capsicum
Amaranthus 93
Datura 93
Nicotiana alba 93
Capsicum annuum 2228
Solanum nigrum 2535
chickpeas 2476
Amaranthus 93
Datura 93
Nicotiana alba 93
Citrus 4515
Crataegus monogyna, Viscum cruciatum 3420
cucumbers
Amaranthus 93
Datura 93
Nicotiana alba 93
Cyperus rotundus 2582
Diplotaxis erucoides 911
faba beans
Amaranthus 93
Datura 93
Nicotiana alba 93
Orobanche crenata 2853, 2960
flora 2633-2634
Galium tricorne 2580
garlic 2487
herbicide residues
residual effects 2405
river water 4017
soil 1869
soil types 3625
sorption 3625
thiazafluron 3625
water 1869, 2405
herbicides
almonds 3818
conferences 2591
extension 2391
grasslands 2233
information 2391
legislation 2406, 3242, 3818
olives 2500
plant communities 2233
registration 2406
research 2391
Hormathophylla spinosa, Cuscuta epithymum 1285
lakes 402
lucerne
Amaranthus 93
Datura 93
Nicotiana alba 93
maize 2196, 2252, 2426
Abutilon theophrasti 2218
Amaranthus 93
Cyperus rotundus 2427
Datura 93
Nicotiana alba 93
Panicum dichotomiflorum 2357, 4548
Polygonum lapathifolium 2357, 4548
marrows
Amaranthus 93
Datura 93
Nicotiana alba 93

Spain *cont.*
melons
Amaranthus 93
Datura 93
Nicotiana alba 93
oats 4622
olives 2879
Viscum cruciatum 3420
onions 2486-2487
Onopordum acanthium 889
Orobanche 3421
Orobanche crenata 1684
Phaseolus vulgaris 2196
Amaranthus 93
Datura 93
Nicotiana alba 93
rice
Echinochloa 2439
Echinochloa crus-galli 2437
rice, as weeds 2437-2439, 5054
sugarbeet 2197, 2245
Chenopodium album 2232
Polygonum aviculare 2217, 2232, 2508
Solanum physalifolium 2217
Xanthium spinosum 2217
sunflowers, *Orobanche cernua* 1643, 2549, 2989
Veronica 1420
Veronica hederifolia 2159
Vicia sativa 4622
weed control
Avena sterilis 4164
cereals 2436
conferences 2591
extension 2391
information 2391
lucerne 2436
maize 2436
Orobanche cernua 2972
Orobanche crenata 2972
Orobanche ramosa 2972
policy 2393
research 2391
rice 2436
sunflowers 2436
sustainability 2808
wheat 4164
weeds 1937, 2583
aquatic weeds 5173
cereals 2436
chromosome number 3396
chromosomes 2570
conferences 2591
Crepis bursifolia 2224
distribution 2186, 2224, 2945, 2973, 3396
Duchesnea indica 2224
extension 2391
faba beans 2959
flora 2186
Galinsoga ciliata 2224
Galinsoga parviflora 2224
gardens 2224
grasslands 2233
herbicide resistant weeds 2253
hops 2226
Impatiens balfourii 2224
indicator plants 5173
information 2391
introduction 2224
Lolium rigidum 2253
lucerne 2436
maize 2225, 2436
marshes 3944
Orobanche 2945
Orobanche cernua 2972-2973
Orobanche crenata 2972-2973
Orobanche ramosa 2972-2973
parasitic weeds 2959
plant communities 2186, 2233
Ranunculus 2570
research 2391
rice 2436, 3944
sugarbeet 499, 2231
sunflowers 499, 2436, 2959
surveys 499, 2945, 3061, 3944
Ulex europaeus 2101
Ulex gallii 3396
Vicia sativa 2959
Viscum album 1680, 2924
Spain *cont.*
weeds *cont.*
water quality 5173
water relations 3061
weed associations 3944
wheat 499
Sparganium emersum
biology
guttation 1700
mass flow 1700
root pressure 1700
temperature 1700
translocation 1700
transpiration 1700
transport processes 1700
xylem 1700
ecology
temperature 1700
water relations 1700
Sparganium erectum
control, physical control 1313
ditch banks
species diversity 1313
UK 1313
ditches
species diversity 1313
UK 1313
drainage channels
species diversity 1313
UK 1313
Spartina alterniflora
biology
aeration 410
composition 3866
genetic variation 853
metabolism 3866
osmoregulation 3866
oxygen 410
pollination 853
propionates 3866
reproduction 853
respiration 410
sulfides 3866
temperature 410
translocation 410
ecology
cycling 410
genotype environment interaction 853
herbivores 853
insects 853
introduction 853
invasion 853
nutrient availability 3866
salinity 3866
temperature 410
rivers, USA 3866
seeds, seed germination 853
USA 853
Spartina patens
biology
carbon 1288
growth rate 1288
nitrogen 1437
nutrient content 1437
photosynthesis 1288
plant diseases 1437
plant pests 1437
respiration 1288
senescence 1288
water relations 1288, 1437, 2131
ecology
biotypes 2131
carbon dioxide enrichment 1288, 1437
plant communities 1288
salinity 2131
water relations 2131
hosts
fungi 1437
insects 1437
USA 1437
wetlands, USA 1288
Spartina pectinata
ecology
habit 3960
wind 3960
USA 3960
Spartium junceum
biology, identification 819
Cuscuta platyloba
composition 1697
Spartium junceum *cont.*
Cuscuta platyloba cont.
host parasite relationships 1697
quinolizidine alkaloids 1697
translocation 1697
Cuscuta reflexa
composition 1697
host parasite relationships 1697
quinolizidine alkaloids 1697
translocation 1697
hosts, beneficial insects 4705
Spergula arvensis
barley
population density 494
surveys 494
cereals
distribution 3951
population density 3951, 4399
soil pH 3951
soil types 3951
surveys 4399
control
biological control 4224
chemical control 3326, 4184, 4233, 4651
integrated control 4651
physical control 3326, 4184, 4233, 4651
ecology
light 2601
nitrogen 2601
herbicides
nutrient uptake 4651
resistance 4399
oats
population density 494, 4399
surveys 494, 4399
seeds
plant growth regulators 444
seed dormancy 2601
seed germination 444, 2601
stimulants 444
stratification 444
vegetables
distribution 3951
population density 3951
soil pH 3951
soil types 3951
wheat
population density 494, 4399
surveys 494, 4399
Spergularia marina
biology
genetic variation 987
genotypes 987
phenotypes 987
ecology
genotype environment interaction 987
salinity 987
Sweden 987
Spermacoce verticillata
cereals
population dynamics 4384
soil fertility 4384
maize
population dynamics 4384
soil fertility 4384
Spermatophyta, herbicides, growth rate 4497
Spermidine 2778
Spermine 2778
Sphagnum
ecology
altitude 2676
climate 2676
distribution 2676
microhabitats 2676
topography 2676
Sphenoclea zeylanica
control
biological control 1197, 4853
chemical control 1609
physical control 1609
ecology, biotypes 4815
herbicides, resistance 4815
Philippines 4853
rice, occurrence 1791
Spice plants, herbicides, residues 3128
Spinach (*Spinacia oleracea*)
herbicides
bioassays 1542, 4023

Spinach *cont.*
herbicides *cont.*
cell culture 1121
chloroplasts 1142, 3208
degradation 1121
electron transfer 1142, 1542
enzymes 676, 4559
fatty acids 1121
growth rate 1121
leaves 3208
metabolism 676, 3208
mode of action 4559
photosynthesis 1142, 1537
photosystem II 1142, 1542, 4023
protoporphyrin 3208
residual effects 5068
thylakoids 1537, 1542, 4023
tolerance 1121
uptake 1121
yields 5068
Italy 5068
USA 2409
weeds, chemical control 2409
Spinacia oleracea (*see* Spinach)
Spirodela, utilization, feeds 3434
Spirodela polyrhiza
biology
ammonium 1711
buds 1711, 2133
carbohydrates 1290
chlorophyll 2553
enzymes 1711, 2133
gene expression 2133
germination 1711
glutamate-ammonia ligase 1711
growth rate 1290, 2553
life cycle 1290
light 1711
morphology 1575
nickel 1290
nitrates 1711
nutrient uptake 1290
peroxidase 2133
phytochrome 1711
plant growth regulators 2133, 5171
reproduction 2553
tissue culture 5171
translocation 1290
vegetative propagation 1290, 1711
waxes 1575
ecology
ammonium 1711
cadmium 5164
iron 2553, 5164
manganese 2553
metals 2553
nitrates 1711
nutrient availability 1711
nutrient uptake 1302, 2553, 5164
herbicides
surfactants 1575
tissue culture 5171
ponds, India 2553
utilization
waste water treatment 2135
water purification 2553
water reservoirs
heavy metals 5166
nutrient uptake 5166
seasonal variation 5166
Spirodela punctata
biology
callus 2134
composition 2134
enzymes 2134
β-fructofuranosidase 2134
growth rate 2134
nutrients 2134
starch 2134
sucrose synthase 2134
sugars 2134
tissue culture 2134
ecology, nutrient availability 2134
Sporobolus indicus
control, chemical control 2522
Cynodon dactylon, USA 2522
Sporobolus vaginiflorus
ecology
colonizing ability 2244
dispersal 2244
distribution 2244
Sporobolus vaginiflorus *cont.*
ecology *cont.*
introduction 2244
invasion 2244
plant competition 2244
Sporobolus virginicus
ecology
nutrient availability 464
nutrient content 464
plant communities 464
Sports grounds
herbicides, usage 2236-2237
Plantago major, surveys 2236-2237
Poa annua, surveys 2236-2237
Taraxacum officinale, surveys 2237
Trifolium repens, surveys 2236-2237
UK 2236-2237
weeds, surveys 2236-2237
Spruce (*see Picea)*
Squashes (*see also Cucurbita* spp.)
Chenopodium album
allelopathy 485
growth rate 485
seed germination 485
USA 2409, 3339
weed control, yields 3339
weeds
chemical control 2409-2410
plant competition 3339
Sri Lanka
weeds
biological control 3111
Chromolaena odorata 3111
St Lucia
herbicides
farmers' attitudes 4136
man 4136
safety 4136
toxicity 4136
training 4136
Stachys
USA 2409
weeds, chemical control 2409
Stachytarpheta cayennensis
biology
alkaloids 706
cardiac glycosides 706
composition 706
flavanols 706
flavonoids 706
sesquiterpenes 706
tannins 706
triterpenoids 706
control, physical control 2902
utilization, medicinal plants 706
weed control
branching 2902
flowering 2902
seed production 2902
Stellaria, ecology, weed associations 497
Stellaria cuspidata
Argentina 23
biology
anatomy 23
flowers 23
identification 23
taxonomy 23
Colombia 23
ecology, distribution 23
Stellaria holostea
biology
alleles 1436
genetics 1436
pollen 1436
pollination 1436
Sweden 1436
Stellaria media
apples, Yugoslavia 4662
barley
Canada 2257
fertilizers 481
plant competition 481
population density 481, 494
surveys 494
yields 481
biology
chlorophyll 1427
cutin 1427
development 1427
flowering 2257
flowers 2257
Stellaria media *cont.*
biology *cont.*
growth rate 2257
leaf area 2257
leaves 2257
cereals
population density 4399
soil types 4809
surveys 4399, 4809
control
chemical control 272, 733, 1451, 1571, 2221, 2257, 2498, 3343, 3382, 4235, 4662
cultural control 42, 296, 3465
integrated control 272
physical control 272, 1740, 2221, 3808
Dactylis glomerata, Poland 296
ecology
biotypes 2257, 3965
emergence 3465
fertilizers 3465
plant communities 1750
population density 1750
weed associations 5057
fallow
soil types 4809
surveys 4809
Festuca pratensis, Poland 296
fodder beet, Denmark 3808
herbicides
antagonism 3711
application rates 2257, 3711
bioassays 1451, 1463, 4235
cell culture 1463
cross resistance 1806, 3965
enzymes 1806, 3965
growth rate 1463, 3711
mode of action 3965
rain 1571
resistance 1806, 2257, 3965, 4399
surfactants 1571
susceptibility 3965
synergism 3711
hosts
beneficial insects 556
insects 97
viruses 1010
Lolium multiflorum, Poland 296
maize
flowering 2225
fruiting 2225
life cycle 2225
population dynamics 2225
meadows, Poland 296
oats
Poland 296
population density 494, 4399
surveys 494, 4399
onions, Denmark 3808
Phleum pratense, Poland 296
Poa annua, Poland 296
potatoes, surveys 2221
rape
growth rate 42
plant competition 42
population density 42
seed production 1750
UK 1750
yields 42
seeds
buried seeds 1740
embryos 1427
light 1740, 3465
seed banks 5, 1750, 2167
seed dispersal 5
seed germination 1740, 2257, 3465
seed size 3465
seed weight 2257
soil depth 2167
sugarbeet
emergence 3936
growth rate 3936
leaf area 3936
leaves 3936
Netherlands 3936
plant competition 3936
population density 3936
yields 3936
tomatoes, hosts of plant diseases 1010
utilization, medicinal plants 4597

Stellaria media *cont.*
weed control, seed germination 1740
wheat
Canada 2257
Denmark 3494
economic thresholds 2654
growth rate 2654, 3494
hosts of plant pests 97
leaf area 3494
plant competition 2654, 3494
plant density 3494
plant height 3494
population density 494, 2654, 4399
surveys 494, 4399
weather 3494
Stenotaphrum secundatum
Cynodon dactylon, USA 358
herbicides
application date 358
application rates 358
damage 358, 4103
growth rate 358, 4103
roots 4103
Stipa brachychaeta
biology
nomenclature 2192
taxonomy 2192
Stipa capensis, hosts, fungi 546
Stipa comata, *Artemisia tridentata,* USA 3305
Stipa neesiana
control, chemical control 3961, 4309
herbicides
application rates 3961
resistance 3961
seed production 3961
New Zealand 3961, 4309
seeds
buried seeds 4309
viability 4309
Stratiotes aloides
ecology
distribution 4296
eutrophication 4296
spread 4296
rivers, Russia 4296
Strawberries (*Fragaria* spp.)
Amaranthus retroflexus, allelopathy 4225
Chenopodium album, allelopathy 4225
Digitaria sanguinalis, allelopathy 4225
Poland 799
Portulaca oleracea, allelopathy 4225
Setaria faberi, allelopathy 4225
Setaria pumila, allelopathy 4225
Setaria viridis, allelopathy 4225
Taiwan 102
UK 318
USA 2409, 4225-4226, 4667
weeds
chemical control 721, 2409
control 4666-4667
cultural control 5076
hosts of plant diseases 102
integrated control 5088
surveys 3068
Strawberry clover (*see Trifolium fragiferum*)
Streams
Asteraceae, surveys 1407
Canada 4051
Cyperus, surveys 1407
Epilobium, surveys 1407
Galium, surveys 1407
Heracleum mantegazzianum
distribution 3450
grazing 3450
surveys 3450
Poa, surveys 1407
Poaceae, surveys 1407
Polygonum, surveys 1407
Potamogeton perfoliatus, Denmark 850
Potentilla, surveys 1407
Ranunculus, surveys 1407
Veronica, surveys 1407
Striga
Benin 3421
biology 397
anatomy 5160
carbon 2125
development 3421, 3425, 3458, 4277
enzymes 2938
Striga *cont.*
biology *cont.*
evolution 2938, 2991
genetic variation 398, 2938, 3421, 3458
growth rate 3425, 3458
identification 3892
life cycle 4277
morphology 2938
photosynthesis 2125
physiology 2125
taxonomy 3425
transpiration 2125
water relations 2125
Burkina Faso 3430
cereals
development 398
host parasite relationships 398
resistance 398
seed germination 398
control 397, 1279-1280, 1282, 1688, 3425
biological control 2125, 3458, 3892, 4323
chemical control 2125, 3430, 3458, 3892, 4323
cultural control 398, 2125, 3421, 3430, 3458, 3892, 4323
integrated control 2125, 3421, 3430, 3458
physical control 2125, 3892
cotton
host parasite relationships 2995
root exudates 2995
seed germination 2995
stimulants 2995
ecology 397
biotypes 2938
distribution 3425, 3430, 4277, 4323, 5160
establishment 3425
habit 3892
host parasite relationships 3458, 3892, 4277
nutrient uptake 4277
origin 4277
population dynamics 3425
soil water 4277
economics, economic thresholds 1688
Eleusine coracana, yields 4729
forests, host parasite relationships 3892
Kenya 3421
legumes
development 398
host parasite relationships 398
resistance 398
seed germination 398
maize
host parasite relationships 2995
root exudates 2995
seed germination 2995
stimulants 2995
Mali 3430
Panicum miliaceum
host parasite relationships 2995
root exudates 2995
seed germination 2995
stimulants 2995
Pennisetum glaucum
resistance 396
yields 396, 4729
seeds
seed banks 4323
seed dormancy 2927, 3425
seed germination 2125, 2927-2929, 3421, 3425, 3458, 4277, 4323
seed morphology 2125
stimulants 2928-2929, 4323
temperature 2927
Senegal 3430
sorghum
host parasite relationships 2995
resistance 396
root exudates 2995
seed germination 2995
stimulants 2995
yields 396, 4363, 4729
Striga asiatica
Aristida
host parasite relationships 3003
resistance 3003
Striga asiatica *cont.*
Aristida cont.
root exudates 3003
seed germination 3003
biology
development 2552
identification 3488
morphology 2552
nutrient uptake 390
plant growth regulators 2552
root hairs 2552
roots 2552
taxonomy 3488
control, cultural control 2930, 3279-3280
cotton
host parasite relationships 2995
root exudates 2995
seed germination 2995
stimulants 2995
ecology
distribution 1692, 2993
nitrogen 2930
nutrient availability 2930
soil types 1692
herbicides
plant growth regulators 2996
seed germination 2552, 2996
tissue culture 2552
maize
host parasite relationships 2993, 2995, 3003
resistance 3003
root exudates 2995, 3003
seed germination 2995, 3003
stimulants 2995
Panicum miliaceum
host parasite relationships 2995
root exudates 2995
seed germination 2995
stimulants 2995
Paspalum
host parasite relationships 3003
resistance 3003
root exudates 3003
seed germination 3003
Pennisetum glaucum
host parasite relationships 1692, 2993
population density 1692
rice, occurrence 1791
seeds
plant growth regulators 2552, 2996
seed dormancy 2927
seed germination 2552, 2927, 2930, 2996
stimulants 2996
temperature 2927
viability 2930
sorghum
fertilizers 3279-3280
host parasite relationships 2552, 2993, 2995, 3279-3280
India 3279-3280
plant competition 3279
resistance 2993
root exudates 2995
seed germination 2995
stimulants 2995
yields 3279
USA 2930
Striga aspera
Aristida
host parasite relationships 3003
resistance 3003
root exudates 3003
seed germination 3003
biology
composition 3430
phenolic compounds 3430
photosynthesis 3430
maize
host parasite relationships 3003
resistance 3003
root exudates 3003
seed germination 3003
Paspalum
host parasite relationships 3003
resistance 3003
root exudates 3003
seed germination 3003
Striga forbesii, ecology, distribution 2993

Striga gesnerioides
control
chemical control 4279
cultural control 1284, 5161
cowpeas
distribution 5161
growth rate 2127
host parasite relationships 2127, 2987, 3001, 3429, 4278, 5161
hosts of plant pests 4278
phenotypes 5161
resistance 2127, 2987, 3001, 3429
roots 2127
soil types 5161
surveys 5161
USA 4278
ecology, surveys 5161
herbicides
mode of action 4279
photosynthesis 4279
photosystem II 4279
seed germination 4279
hosts, Nematoda 4278
legumes
host parasite relationships 3429
resistance 3429
lentils
host parasite relationships 3429
resistance 3429
Phaseolus
host parasite relationships 3429
resistance 3429
seeds
seed germination 2127, 4279
stimulants 4279
sorghum, host parasite relationships 4279
Sorghum versicolor
host parasite relationships 3001
resistance 3001
soyabeans
host parasite relationships 3429
resistance 3429
toxicity, rats 1687
Vicia sativa
host parasite relationships 3429
resistance 3429
Vigna
host parasite relationships 3429
resistance 3429
wheat, host parasite relationships 4279
Striga hermonthica
Aristida
host parasite relationships 3003
resistance 3003
root exudates 3003
seed germination 3003
Benin 2994
biology
composition 3430
development 3000, 3431
embryology 3000
flowers 3000
germination 1693
growth stages 1693
phenolic compounds 3430
photosynthesis 3430
proteins 3431
roots 3431
cereals, host parasite relationships 4732-4733
control 1283
biological control 395, 4732-4733
chemical control 1606, 2827, 3000, 4279
cultural control 51, 1281, 1606, 1690, 2827-2828, 2831, 3272, 4731
integrated control 2827-2828
physical control 1606, 2827-2828
cotton
Kenya 2827
surveys 3956
cowpeas, Kenya 2827
ecology
biotypes 840
distribution 2993
drought 1693
host parasite relationships 1693
plant communities 51
population dynamics 4731
spread 3428
surveys 51, 4732-4733
Striga hermonthica *cont.*
ecology *cont.*
temperature 1693
water stress 1693
economics, control 3428
herbicides
application date 3432
development 3432
embryogenesis 3432
flowering 3432
fruiting 3432
growth rate 3432
mode of action 4279
photosynthesis 4279
photosystem II 4279
population density 1606
resistance 3432
respiration 4730
seed banks 1606
seed germination 4279, 4730
hosts
fungi 4732
insects 4733
pathogens 395
maize
anatomy 4734
cell walls 4734
emergence 4731
enzymes 4734
host parasite relationships 839, 1690, 2827-2828, 2993, 3002-3003, 3272, 4731
Kenya 2827-2828, 3002, 3272
malic enzyme 4734
Nigeria 1690
phosphoenolpyruvate carboxylase 4734
photosynthesis 4734
plant height 1690
reproduction 4731
resistance 839, 1690, 3002-3003
ribulose-bisphosphate carboxylase 4734
root exudates 3002-3003
roots 3002
seed germination 3002-3003
survival 4731
variety trials 3002
yields 3002, 3272
millets
host parasite relationships 1690
Nigeria 1690
plant height 1690
resistance 1690
Paspalum
host parasite relationships 3003
resistance 3003
root exudates 3003
seed germination 3003
Pennisetum glaucum, host parasite relationships 2993
seeds
buried seeds 2994
composition 2997
embryos 3432
plant growth regulators 2997, 4730
proteins 3431
seed banks 4731
seed dormancy 2927
seed germination 1606, 1693, 2927, 2994, 2997, 3431, 4279, 4730
seed production 4731
stimulants 1693, 2997, 3431, 4279, 4730
temperature 1693, 2927
viability 2994
water 1606, 1693
sorghum
Benin 2831
Cameroon 1606
carbohydrates 2998
composition 2998
emergence 4731
fertilizers 2831, 2992
gas exchange 1689
growth rate 840, 2126, 2992
host parasite relationships 395, 840, 1606, 1690-1691, 2126, 2831, 2992-2993, 2998-3000, 4279, 4731
Mali 1689, 3000
Striga hermonthica *cont.*
sorghum *cont.*
Nigeria 1690-1691
nitrogen 2992, 2998-2999
nutrient availability 840, 2126, 2992, 2998-2999
photosynthesis 840, 1689, 2126, 2999
photosystem II 2999
plant height 1690
reproduction 4731
resistance 1690-1691, 2993
root exudates 2992
seed germination 2992, 2999
starch 2998
sugars 2998
survival 4731
translocation 1689
water relations 1689
yields 1606, 1689, 1691, 2126
Sudan 395
wheat, host parasite relationships 4279
Striga lutea *(see Striga asiatica)*
Striga orobanchoides *(see Striga gesnerioides)*
Strigol 2921, 2928-2929, 2935
Stubble, weeds, chemical control 1664
Suaeda fruticosa
beaches, Israel 3949
biology, water relations 3949
ecology
distribution 3949
flooding 3949
habitats 3949
invasion 3949
salinity 3949
Subalpine fir *(see Abies lasiocarpa)*
Subterranean clover *(see Trifolium subterraneum)*
Subtropics
weed control, biological control 5186
weeds
aquatic weeds 3434
feeds 3434
weed utilization 3434
Sudan
Striga hermonthica 395
weed control, *Orobanche* 2979
weeds, *Orobanche* 2979
Sudan grass *(see Sorghum sudanense)*
Sugarbeet (*Beta vulgaris* var. *saccharifera*)
Abutilon theophrasti
chemical control 2069
control 2069
Aethusa cynapium
Belgium 330
France 330
Germany 330, 726
Netherlands 330
plant competition 726
population density 726
yields 726
Amaranthus retroflexus
allelopathy 1401
chemical control 2069
composition 1401
control 2069
growth rate 1401
sugars 1401
Ammi majus
chemical control 2069
control 2069
Anagallis arvensis subsp. *foemina*, surveys 3511
Apiaceae, surveys 3511
as weeds
control, cultural control 2070
ecology
climate 2070
Nematoda 4813
fodder beet, occurrence 4387
seeds
seed banks 2070
seed germination 2070
seed production 2070
viability 2070
sugarbeet, occurrence 2070, 4387
toxicity, Nematoda 4813
Asteraceae, surveys 3511
Avena
surveys 499
weed associations 499

Sugarbeet *cont.*
Avena fatua
chemical control 1655
plant competition 3054
plant height 3054
population density 3054
sucrose 3054
USA 3054
yields 3054
Brassicaceae, surveys 3511
Caryophyllaceae, surveys 3511
Chenopodium
chemical control 2069
control 2069
Chenopodium album
allelopathy 1401
composition 1401
emergence 3936
Germany 2068
growth rate 1401, 3936
leaf area 3936
leaves 3936
Netherlands 3936
plant competition 2068, 3936
population density 3936
Spain 2232
sugars 1401
surveys 2232
yields 2068, 2232, 3936
Cirsium arvense
allelopathy 1401
chemical control 4682
composition 1401
Czech Republic 4682
growth rate 1401
sugars 1401
Convolvulus arvensis
chemical control 2069
control 2069
surveys 3511
Coronopus squamata, surveys 3511
Cuscuta campestris
chemical control 2069
control 2069
Czech Republic 2075
Denmark 3824, 4134, 4235
Echinochloa crus-galli
allelopathy 1401
composition 1401
growth rate 1401
Poland 2886
sugars 1401
Elymus repens
allelopathy 1401
composition 1401
Czech Republic 2073
growth rate 1401
Poland 1563, 2071-2072
sugars 1401
Fabaceae, surveys 3511
Galium aparine
Belgium 330
France 330
Germany 330
Netherlands 330
Germany 137, 184, 1185
herbicides
adjuvants 225-226, 1563, 2385, 2809, 2886, 4125, 4685
aerial application 3238
application date 331-332, 793-795, 2073, 2078, 2309-2310, 2510, 2887, 3827-3828, 4684, 5098, 5100
application methods 5100
application rates 226, 331-332, 791, 793, 795, 2073, 2309-2310, 2415, 2508, 2740, 2809, 2886-2887, 3741, 3774, 4125, 4134
bioassays 2797
chlorophyll 225
climate 2807
damage 331-332, 1563, 2074, 2415, 2509, 2797, 3314
degradation 4479
economics 793, 1177, 1563, 2888, 4587
environmental impact 3597, 3745
fluorescence 4962
gas exchange 4962
growth rate 3759

Sugarbeet *cont.*
herbicides *cont.*
leaves 225, 1524, 4163
light 4962
low volume spraying 5100
morphology 1524
photosynthesis 4962
plant diseases 2338, 4163
quality 1177, 2072
residual effects 2074, 2415, 3314, 3759, 3794, 4674, 4684-4685
residues 2309-2310, 3774, 4479
roots 1524
seed banks 2809
selectivity 3741
soil types 2415
sprayers 1658
spraying 4683
stomata 4962
surfactants 4134
tolerance 331, 1934, 2785, 2885, 3688, 3741, 3745, 4235, 5100
tubers 1524
uptake 225
usage 1984
weather 5100
yields 792, 1177, 1653, 1656-1657, 1968, 2072, 2076-2077, 2415, 2887, 3238, 3827, 5027
Italy 2807, 3652, 3823, 4138
Kochia scoparia
composition 2203
economics 2203
growth rate 2203
light 2203
plant competition 2203
plant height 2203
population density 2203
sugars 2203
USA 2203
yields 2203
Lolium
surveys 499
weed associations 499
Lolium rigidum, surveys 3511
Medicago polymorpha, surveys 3511
Morocco 3511
Netherlands 327, 1177, 4587
Panicum miliaceum, occurrence 2673
Papaver rhoeas, surveys 3511
Phalaris
surveys 499
weed associations 499
Poaceae
Czech Republic 2073
surveys 3511
Poland 793, 2079, 2887, 3828, 4125, 4674, 5027, 5096
Polygonaceae, surveys 3511
Polygonum
Germany 2068
plant competition 2068
yields 2068
Polygonum aviculare
chemical control 1853, 2069
control 2069
emergence 2217
Italy 1853
phenology 2217
seed germination 2217
Spain 2217, 2232, 2508
surveys 2232
yields 2232
Polygonum latifolium
chemical control 2069
control 2069
Polygonum persicaria
chemical control 2069
control 2069
emergence 3936
growth rate 3936
leaf area 3936
leaves 3936
Netherlands 3936
plant competition 3936
population density 3936
yields 3936
potatoes, as weeds, UK 5101
radishes, as weeds, hosts of plant pests 558
Russia 1653, 2076-2077, 2415, 3238

Sugarbeet *cont.*
Setaria viridis
composition 2203
economics 2203
growth rate 2203
light 2203
plant competition 2203
plant height 2203
population density 2203
sugars 2203
USA 2203
yields 2203
Silene gallica, surveys 3511
Sinapis alba, hosts of plant pests 558
Sinapis arvensis
allelopathy 1401
composition 1401
growth rate 1401
plant competition 3054
plant height 3054
population density 3054
sucrose 3054
sugars 1401
USA 3054
yields 3054
Slovakia 2385
Slovenia 3759
Solanum nigrum
chemical control 2069
control 2069
Solanum physalifolium
emergence 2217
phenology 2217
seed germination 2217
Spain 2217
Spain 2197, 2245
Stellaria media
emergence 3936
growth rate 3936
leaf area 3936
leaves 3936
Netherlands 3936
plant competition 3936
population density 3936
yields 3936
sugarbeet, as weeds, occurrence 2070, 4387
sunflowers, as weeds, Italy 2062
Sweden 3807
UK 226, 329
Ukraine 637, 1654, 1656-1657, 1968, 1994, 3238, 3707
Urtica urens, surveys 3511
USA 2509, 5098
weed control
application date 1231, 3807, 4587
climate 2079
damage 1657, 3807
economics 4587, 4594
environmental impact 3597
quality 2072
yields 327, 1653, 1656-1657, 1968, 2072, 2076-2077, 3238, 3807, 5027
weeds
chemical control 794-795, 1177, 1321, 1657, 2075, 2510, 3525, 3745, 3826-3827, 4845, 5096-5097, 5100
control 791, 1231, 1588, 2079, 3823, 3825, 4681, 5099, 5102, 5182
emergence 2197
fertilizers 2809, 4587
flowering 2245
fruiting 2245
growth rate 3525
herbicide resistance 3525
hosts of plant pests 558, 4840, 4845
phenology 2245
plant communities 4810
plant competition 1994, 2197, 2809, 3525
population density 3510, 3828
surveys 499, 2231-2232, 3510, 4810
weed associations 499, 4810
yields 2232
Xanthium spinosum
emergence 2217
phenology 2217
seed germination 2217
Spain 2217

Sugarcane (*Saccharum officinarum*)
Ageratum conyzoides, surveys 4389
Commelina benghalensis, surveys 4389
Commelina jacobi, surveys 4389
Cynodon dactylon
surveys 4389
USA 790
Cyperus rotundus, surveys 4389
Echinochloa colonum
hosts of plant pests 1851
surveys 4389
Eclipta prostrata, surveys 4389
Egypt 2506
Eleusine indica, hosts of plant pests 1851
herbicides
adjuvants 788
application date 788, 1229, 2884, 4165, 5095
application methods 2884, 5095
application rates 788, 1964, 2884, 4165, 5094
composition 2883
economics 2067
growth rate 328
leaves 4110
photosynthesis 4110
plant height 5095
quality 2067
sprayers 2884
sugars 1229, 2883
surfactants 1964
tolerance 788
variety trials 4110
yields 328, 1229-1230, 2067, 2883, 4165, 5094-5095
India 326, 328, 2067, 2883, 4165, 5094
Jamaica 1964
jute, as weeds, surveys 4389
Leptochloa, hosts of plant pests 1851
Oldenlandia affinis, surveys 4389
Pakistan 1230, 1651
Rottboellia cochinchinensis
hosts of plant pests 1851
USA 788-789
Sicyos
occurrence 2507
plant competition 2507
Sorghum halepense
growth rate 4796
plant competition 4796
population density 4796
seasonal variation 4796
stems 4796
sugars 4796
survival 4796
USA 1229, 4796
yield components 4796
yields 4796
Tridax procumbens, surveys 4389
USA 2754, 4921, 5095
weed control
economics 2067
growth rate 328
plant pests 2506
quality 2067
yields 326, 328, 1230, 1651, 2067, 4165
weeds
control 865, 1652, 3746
hosts of plant pests 1651
occurrence 3746
surveys 4389
Sulcotrione 2426, 3770
Sulfallate
control, weeds, cabbages 4656
degradation
peas 1944
potatoes 1944
fatty acids
peas 1944
potatoes 1944
lipids
peas 1944
potatoes 1944
Sulfates (inorganic salts) 5176
Sulfometuron
application date
forests 3388
railways 3391
rights of way 3388
roadsides 3388

Sulfometuron *cont.*
control
Acer saccharinum, Pinopsida 4693
carrots, as weeds, railways 3391
Centaurea maculosa, railways 3391
Cercis canadensis, Pinopsida 4693
Elaeagnus angustifolia, Pinopsida 4693
Eupatorium capillifolium 1725
Euphorbia esula, grasslands 1616
Festuca arundinacea, railways 3391
Fraxinus pennsylvanica, Pinopsida 4693
Gleditsia triacanthos, Pinopsida 4693
Juglans nigra, Pinopsida 4693
Lonicera, Pinopsida 4693
Melilotus alba, railways 3391
parsnips, as weeds, railways 3391
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
raspberries, as weeds, *Picea mariana* 5120
Robinia pseudoacacia, Pinopsida 4693
Solanum viarum 5178
Sorghum halepense 4758
Thuja occidentalis, Pinopsida 4693
Ulmus pumila, Pinopsida 4693
weeds
Juglans nigra 341
Lespedeza bicolor 341
Lespedeza thunbergii 341
pecans 341
Pinus taeda 350, 807, 4245
Quercus acutissima 341
Quercus nigra 341
Quercus nuttallii 341
Quercus pagoda 341
Quercus palustris 341
Quercus phellos 341
Quercus rubra 341
cross resistance, *Stellaria media* 3965
damage
lawns and turf 1242
Pinopsida 4693
economics, *Pinus taeda* 4245
enzymes
barley 676
Hydrilla verticillata 414
Sonchus oleraceus 4556
spinach 676
Stellaria media 3965
genetics, *Sonchus oleraceus* 4556
growth rate
Lolium rigidum 1130
Picea mariana 5120
Pinus taeda 350
interactions, herbicides 1616, 5178
metabolism
barley 676
spinach 676
mode of action, *Stellaria media* 3965
peroxidase, *Hydrilla verticillata* 414
plant height
Pinopsida 4693
Pinus taeda 350
population density, *Pinus taeda* 807
resistance
Lolium rigidum 983, 1130
Sisymbrium orientale 4410
Sonchus oleraceus 4556
Stellaria media 3965
seed germination, *Lolium rigidum* 1130
species diversity, *Pinus taeda* 807
survival
Picea mariana 5120
Pinopsida 4693
Pinus taeda 350
susceptibility
Acer saccharinum 4693
Cercis canadensis 4693
Elaeagnus angustifolia 4693
Fraxinus pennsylvanica 4693
Gleditsia triacanthos 4693
Juglans nigra 4693
Lonicera 4693
Robinia pseudoacacia 4693
Stellaria media 3965
Thuja occidentalis 4693

Sulfometuron *cont.*
susceptibility *cont.*
Ulmus pumila 4693
tolerance
Juglans nigra 341
Lespedeza bicolor 341
Lespedeza thunbergii 341
pecans 341
Quercus acutissima 341
Quercus nigra 341
Quercus nuttallii 341
Quercus pagoda 341
Quercus palustris 341
Quercus phellos 341
Quercus rubra 341
wheat 211
yields, grasslands 1616
Sulfonamide-1,1-dioxide, 2-methylethyl-2,3-dihydro-N-[(4,6-dimethoxypyrimidin-2-yl)aminocarbonyl]-1,2-benzoisothiazole-7- 1133
Sulfonic acid, dimercaptopropane- 4951
Sulfonylurea herbicides
acetolactate synthase 2371
amino acids 1735, 2371
Cyperus serotinus 1150
rape 2371
analytical methods 1454
extraction 3558, 4011
gas liquid chromatography 1868
mass spectrometry 1868
nuclear magnetic resonance 1868
application
application rates 696
environmental impact 876
application date, maize 744
application rates
maize 744
rice 5046
wheat 2418
binding sites 2371
peas 4570
chemistry
development 1735
structure 4004
structure activity relationships 2282
synthesis 2282, 4004
control
Cardamine parviflora, wheat 2418
Carduus nutans, pastures 4198
Cirsium arvense, cereals 4611
Coreopsis tinctoria, wheat 2418
Cyperus serotinus, rice 5046
Descurainia sophia, wheat 2418
Eleocharis kuroguwai, rice 5046
Erysimum repandum, wheat 2418
Fallopia convolvulus, wheat 2418
Lamium amplexicaule, wheat 2418
Monochoria vaginalis, rice 5046
Orobanche cernua, sunflowers 1643
potatoes, as weeds, cereals 4611
Rotala indica, rice 5046
weeds
maize 744
Miscanthus sinensis 2099
cross resistance
Eleusine indica 57
Ixophorus unisetus 57
Salsola pestifera 1806
Sinapis arvensis 1806
cytochrome P-450, tobacco 1133
damage
Miscanthus sinensis 2099
rice 5046
sunflowers 1643
tobacco 1133
degradation, tobacco 1133
economics, wheat 2418
enzymes 1735, 1817, 2371
barley 4571
Cyperus serotinus 1150
Kochia scoparia 1806
peas 4570
rice 1150, 5046
Stellaria media 1806
interactions, herbicides 4455, 5046
mode of action 1735
rice 5046
plant breeding
genetic transformation 211
tolerance 211

Sulfonylurea herbicides *cont.*
pyruvic acid, peas 4570
quinones 2371
residues
soil 1868, 3558
water 1454, 1868, 4011
wheat 1868
resistance 1809, 1817
Eleusine indica 57
Ixophorus unisetus 57
Kochia scoparia 1806, 2685
Salsola pestifera 1806
Sinapis arvensis 1806
Sisymbrium orientale 4410
Sonchus oleraceus 4410
Stellaria media 1806
selectivity
Cyperus serotinus 1150
maize 2807
rice 1150
soil
leaching 5046
soil types 3558
temperature, rice 5046
thiamin phosphates, peas 4570
tolerance
maize 2807
rape 2371
wheat 211
varietal reactions, maize 2807
yields
maize 744
sunflowers 1643
wheat 2418
Summer squashes (*see Cucurbita moschata*)
Sunflowers (*Helianthus annuus*)
Abutilon theophrasti
carbon dioxide 3933
growth rate 3933
leaves 3933
photosynthesis 3933
plant competition 3933
water relations 3933
Acroptilon repens, hosts of plant diseases 566
Amaranthus powellii, Croatia 2061
Amaranthus retroflexus
Italy 1590
plant competition 3718
Ambrosia artemisiifolia, Croatia 2061
Ambrosia trifida
carbon dioxide 3933
growth rate 3933
leaves 3933
photosynthesis 3933
plant competition 3933
water relations 3933
Ammi majus
economic thresholds 1394
Italy 1394
plant competition 1394
population density 1394
as weeds
control
chemical control 424, 1607, 2062, 3353
cultural control 2062, 3353
physical control 2062
herbicides
application rates 424
growth rate 424
morphology 424
uptake 424
sorghum, Italy 1607, 2062
sugarbeet, Italy 2062
sunflowers
hybridization 918
Italy 2062
yields 2062
wheat, Italy 2062
Avena
surveys 499
weed associations 499
barley
as weeds
allelopathy 2340
seed germination 2340
Brazil 2499, 3678, 4677-4678
Centaurea diffusa, hosts of plant diseases 566
Sunflowers *cont.*
Centaurea maculosa, hosts of plant diseases 566
Chenopodium album
allelopathy 485
economic thresholds 1394
growth rate 485
Italy 1394
plant competition 1394, 3718
population density 1394
seed germination 485
Digitaria sanguinalis, plant competition 3718
Echinochloa crus-galli
Croatia 2061
plant competition 3718
Euphorbia esula, hosts of plant diseases 566
France 2875
herbicides
adjuvants 2809
application date 785, 2061, 2875, 3353, 4677-4678, 5091
application methods 4675-4676
application rates 1601, 1980, 2406, 2453, 2777, 2809, 4677-4678, 5091
bioassays 4101
climate 2875
damage 785, 1518, 1643, 2453, 2777, 2875, 4212, 4675-4678
desiccation 3678, 3697
drift 2453
economics 3353, 5091
growth rate 1518, 1905, 2061, 2777, 4101
leaf area 2777
leaves 2777
nutrient uptake 4231
oils 3678
plant height 1905, 2061, 2777, 4677
quality 3678, 3697
rain 785
residual effects 1601, 1905, 4212
roots 2777
seed banks 2809
seed germination 1905
seed oils 2453
seed production 4678
seed weight 2453
seeds 3678
selectivity 785, 1518, 2061, 5091
shoots 2777
susceptibility 4101
tolerance 1601, 2453, 2777, 4212
uptake 1518
usage 1187
variety trials 2777
yield components 4678
yields 785, 1643, 1657, 2061, 2453, 2875, 3697, 4212, 4231, 4678, 5090
India 1905, 2762, 2874, 4231, 5090
Italy 785, 3718
lettuces
as weeds
allelopathy 2340
seed germination 2340
Lolium
surveys 499
weed associations 499
Orobanche
cell walls 2951
enzymes 2951
esterases 2951
host parasite relationships 2951
pectins 2951
penetration 2951
Orobanche cernua
distribution 2549
economics 2933
host parasite relationships 1643, 2549, 2933, 2959, 2961-2962, 2972, 2989
resistance 2959, 2961-2962, 2989
Spain 1643, 2549, 2989
spread 2549, 2972
variety trials 2961
Orobanche cumana
Bulgaria 2877, 2946
cell walls 2990
Sunflowers *cont.*
Orobanche cumana cont.
cytology 2954
enzymes 2990
Germany 2876
growth rate 2954
host parasite relationships 2876-2878, 2946, 2954, 2971, 2981, 2990
Israel 2878
lignification 2990
peroxidase 2990
plant diseases 2954
resistance 2876, 2878, 2954, 2971, 2990
roots 2990
seasonal variation 2878
seed germination 2876
seeds 2946
temperature 2878
Turkey 2876
variety trials 2876, 2971, 2981
yields 2971
Orobanche ramosa
host parasite relationships 2981
variety trials 2981
Parthenium hysterophorus
hosts of plant pests 386, 555
India 386
Phalaris
surveys 499
weed associations 499
Polygonum aviculare, Italy 1590
Portulaca oleracea, plant competition 3718
Romania 3819
Russia 3697
Sinapis arvensis
economic thresholds 1394
Italy 1394
plant competition 1394
population density 1394
Solanum nigrum
Italy 1590
plant competition 3718
South Africa 4212
sunflowers
as weeds
hybridization 918
Italy 2062
yields 2062
Ukraine 1657
USA 2453
weed control
allelopathy 2499
application date 2499, 3718
chemical control 2499
damage 1657
economics 2874, 3718
labour requirements 2874
nutrient uptake 4231
yield components 2499
yields 1657, 2499, 2877, 4231, 5090
weeds
allelopathy 1789
chemical control 1657, 1980, 5091
control 1226, 2062, 2807, 3746
fertilizers 2809, 4231
hosts of plant diseases 3983
hosts of plant pests 1014, 4840
nutrient uptake 4231
occurrence 3746
plant competition 2809
population density 1014
surveys 499
weed associations 499
Xanthium italicum, hosts of plant diseases 3983
Swamps
Asteraceae, surveys 1407
Cyperus, surveys 1407
Epilobium, surveys 1407
Filipendula ulmaria, Sweden 3045
Galium, surveys 1407
Geranium sylvaticum, Sweden 3045
Poa, surveys 1407
Poaceae, surveys 1407
Polygonum, surveys 1407
Potentilla, surveys 1407
Ranunculus, surveys 1407
Veronica, surveys 1407

Sweden
Anthriscus sylvestris 2584
barley 209, 1929
carrots 3327, 3807
Crepis tectorum 4348
flora 2636
forests
Filipendula ulmaria 3045
Geranium sylvaticum 439, 3045
grasslands, *Rhinanthus minor* 2123-2124
herbicide residues
soil 3594
surface water 3594
herbicides
application 1954
application rates 248, 1951, 5007
carriers 1957
cereals 1988
environmental impact 248
glyphosate 1957
safety 248
usage 5007
weather 1954
lawns and turf, *Sinapis alba* 3721
legumes, *Rhinanthus minor* 2123-2124
meadows, *Geranium sylvaticum* 439
oats 4140, 4175-4176
onions 3807
Pinus sylvestris, Empetrum hermaphroditum 3395
Pteridium aquilinum 2539
Rhinanthus minor 3426
Silene dioica 1417
Sinapis alba 1580
Spergularia marina 987
Stellaria holostea 1436
sugarbeet 3807
swamps
Filipendula ulmaria 3045
Geranium sylvaticum 3045
weed control
conferences 2592, 3457, 4315
Pinopsida 5114
weeds 209, 1719, 3883, 4141
arable land 1782
Cirsium arvense 1783
conferences 2592, 3457
fallow 1783
Heracleum sphondylium 3947
hosts of plant pests 4845
metal tolerance 3489
nickel 3489
oil plants 4845
Silene dioica 3489
sugarbeet 4845
wheat 3256
Sweet cherries (*see* Cherries)
Sweet corn (*see* Maize)
Sweet oranges (*see* Oranges)
Sweet potatoes (*Ipomoea batatas*)
Brazil 2863
Cameroon 4653
Cyperus esculentus
allelopathy 4803
growth rate 4803
shoots 4803
Cyperus rotundus
allelopathy 4803
China 1633
growth rate 4803
shoots 4803
Digitaria sanguinalis, China 1633
herbicides
application methods 2863
selectivity 4652
tolerance 2863
yields 1633, 2863
Nigeria 95
Papua New Guinea 3328
weed control
application date 3328
yields 3328, 4653
weeds
control 5079
hosts of plant pests 95
plant competition 3328, 4653
population density 4653
Swep
analytical methods
liquid chromatography 122
mass spectrometry 122
Swep *cont.*
residues
groundwater 122
river water 122
tap water 122
Switzerland
Agrostis capillaris, Rhinanthus alectorolophus 2988
apples 3542, 3813
carrots 3722
Capsella bursa-pastoris 1632
Chenopodium album 1632
Echinochloa crus-galli 1632
cereals 3942
flora 2608
fodder beet 4612
grasslands 4612
Rhinanthus alectorolophus 2988
herbicides
atrazine 3588
licences 4592
value added tax 1175
Lolium perenne, Rhinanthus alectorolophus 2988
maize 3722, 4612
Chenopodium album 2115
Echinochloa crus-galli 2115
Solanum nigrum 2115
oats 4612
onions 3722
Plantago lanceolata, Rhinanthus alectorolophus 2988
Poa compressa 3813
rape 547
Trifolium repens, Rhinanthus alectorolophus 2988
weed control
equipment 3241
potatoes 3241
weeds 556
wheat 4612
Symphoricarpos occidentalis
biology, water relations 1206
control, burning 1206
ecology
population density 1206
regenerative ability 1206
Festuca altaica, Canada 1206
Symphytum officinale
biology
growth rate 3470
roots 3470
control 3470
hosts
Araneae 556
arthropods 556
beneficial insects 556
maize, weed associations 2241
Symposia (*see* Conferences)
Syria
barley, *Orobanche crenata* 2975
faba beans, *Orobanche crenata* 2975
fallow, *Orobanche crenata* 2975
lentils, *Orobanche crenata* 2975
Orobanche 3421
Orobanche crenata 1684
sesame, *Orobanche crenata* 2975
weeds, utilization 708
wheat, *Orobanche crenata* 2975
2,4,5-T
soil, biodegradation 2759
analytical methods
chromatography 3571, 4576
electrophoresis 3571
ELISA 128
extraction 4010
liquid chromatography 4010
application
environmental impact 3952
surfactants 4576
control
Acer rubrum, Pinus taeda 351-352
Carya, Pinus taeda 351
Chromolaena odorata 3952
Cornus florida, Pinus taeda 351
Diospyros virginiana, Pinus taeda 351
Liquidambar styraciflua, Pinus taeda 351-352
Nyssa sylvatica, Pinus taeda 351
Quercus, Pinus taeda 351
2,4,5-T *cont.*
control *cont.*
Quercus nigra, Pinus taeda 352
Quercus phellos, Pinus taeda 352
Ulmus alata, Pinus taeda 352
woody weeds, *Pinus taeda* 352
growth rate, *Pinus taeda* 352
interactions
herbicides 3952
surfactants 4576
residues
drinking water 4010
groundwater 4010
soil 1465, 3667
soil water 3667
surface water 4010
water 4937
soil
biodegradation 3667
degradation 1465
movement 1465, 3667
persistence 1465, 3667
toxicity
carcinogens 3151
man 155, 3151
water
biodegradation 4937
persistence 4937
yields, *Pinus taeda* 352
Taeniatherum caput-medusae
biology
cotyledons 887
emergence 887
plumules 887
radicles 887
roots 887
shoots 887
control, physical control 2390
ecology
disturbed land 2169
introduction 2169
invasion 3919
nutrient availability 3919
population dynamics 2169
herbicides, seed germination 887
hosts, fungi 546
rangelands, USA 2390
seeds
seed banks 2169
seed dormancy 2169
seed germination 887, 3919
seed predation 2169
Tagetes
Cyperus rotundus, allelopathy 4226
Poaceae, allelopathy 4226
Tagetes erecta
herbicides
application rates 1240
surfactants 1240
tolerance 1240
Tagetes minuta
control, chemical control 4200
herbicides
bioassays 4101
growth rate 4101
susceptibility 4101
Tagetes patula
herbicides
application rates 1239-1240
damage 1239-1240
surfactants 1240
tolerance 1239-1240
Taiwan
flora 2187-2188
fodder crops 102
ornamental plants 102
rice 102
strawberries 102
vegetables 102
weed control
integrated control 3291
rice 3291
weeds
Alysicarpus 1422
Digitaria setigera 2187
Elatine ambigua 2193
Elatine triandra 2193
Erodium moschatum 976
Fabaceae 1422
Hydrilla verticillata 856
identification 2193

Taiwan *cont.*
weeds *cont.*
Ipomoea pes-caprae 2188
nomenclature 2193-2194
Phytolacca americana 1676
taxonomy 922, 2193-2194
Tribulus cistoides 2188, 2194
Veronica 922
Tajikistan
lucerne 2461
potatoes 2461
soyabeans 2461
tomatoes 2461
Tamarindus indica
Burkina Faso 801
weed control
damage 801
regenerative ability 801
Tamarix, ecology, occurrence 2627
Tamarix chinensis
ecology
salinity 3397
spread 3397
seeds, seed germination 3397
USA 3397
Tanacetum cinerariifolium
herbicides
application rates 2525
damage 2525
Tanacetum vulgare
biology, identification 831
hosts
Araneae 556
arthropods 556
beneficial insects 556
Tangerines (*see* Mandarins)
Tanzania
coconuts 3991
Datura stramonium 1270
weeds
distribution 2993
Striga asiatica 2993
Striga forbesii 2993
Striga hermonthica 2993
Tapinanthus
biology, identification 3892
control
biological control 3892
chemical control 3892
cultural control 3892
physical control 3892
ecology
habit 3892
host parasite relationships 3892
forests, host parasite relationships 3892
Tapinanthus dodoneifolius
biology
flowering 4274
fruiting 4274
identification 4273
ecology
birds 4274
distribution 4273
seeds, seed dispersal 4274
Vitellaria paradoxa
Burkina Faso 4273-4274
host parasite relationships 4273-4274
Tapinanthus globiferus
biology
flowering 4274
fruiting 4274
identification 4273
ecology
birds 4274
distribution 4273
seeds, seed dispersal 4274
Vitellaria paradoxa
Burkina Faso 4273-4274
host parasite relationships 4273-4274
Tapinanthus ophiodes
biology
flowering 4274
fruiting 4274
identification 4273
ecology
birds 4274
distribution 4273
seeds, seed dispersal 4274
Vitellaria paradoxa
Burkina Faso 4273-4274
host parasite relationships 4273-4274
Taraxacum
biology
chlorophyll 1977
photosystem II 1977
control, chemical control 3842
lawns and turf
population density 3842
surveys 3842
urban areas, plant communities 2614
utilization, indicator plants 1977
Taraxacum mongolicum, utilization, medicinal plants 4597
Taraxacum officinale
Alopecurus pratensis, Poland 298
biology
carbon pathways 508
composition 1847
enzymes 1847
exudation 554
growth rate 508
leaves 557, 4403
nutrient content 557
photosynthesis 508
roots 508
transferases 1847
translocation 557
transpiration 508
water relations 508
control
chemical control 269, 277, 1556, 2416, 2460, 3231, 3343, 3389, 4969
cultural control 269, 277, 298, 2416
integrated control 3389
physical control 269, 277, 2416, 2460, 3389
Dactylis glomerata, Poland 298
ecology
altitude 4403
colonizing ability 441
establishment 441
habitats 4403
light 4403
radiation 4403
temperature 4403
Festuca pratensis, Poland 298
herbicides
population density 2416
tolerance 4250
yields 4250
hosts, insects 554, 557
lawns and turf, surveys 2237
lucerne
allelopathy 4539
growth rate 4539
saponins 4539
meadows, Poland 298
New Zealand 4250
Phleum pratense, Poland 298
Poa pratensis
Poland 298
USA 3231
seeds
light 441
seed banks 5
seed dispersal 5
seed germination 441
seed weight 441
storage 441
sports grounds, surveys 2237
USA 4403
weed control, population density 2416
Taro (*see Colocasia esculenta*)
TCA
analytical methods 3615
gas chromatography 3557
HPLC 3557
thin layer chromatography 3557
application
application methods 4119
soil injection 4119
control
Elymus repens 248
weeds, sugarbeet 1653, 1968
interactions
herbicides 4119
insecticides 637
legislation, European Communities 3557
residues
soil 637, 3615, 4119
water 3557
TCA *cont.*
soil
biodegradation 3615
chemical degradation 3615
microbial degradation 3615
microorganisms 637
organic matter 3615
oxygen 3615
pH 3615
soil types 3615
soil water 3615
temperature 3615
yields, sugarbeet 1653, 1968
Tea (*Camellia sinensis*)
as weeds
control
chemical control 3829
physical control 3829
India 3829
Asteraceae
population density 3517
surveys 3517
Crotalaria anagyroides, biological control 3110
Crotalaria grahamiana, biological control 3110
Fabaceae
population density 3517
surveys 3517
herbicides, growth rate 796
India 796, 3359
Poaceae
population density 3517
surveys 3517
weeds
chemical control 2511
phenology 3517
population density 3517
surveys 3517
Tebutam
control
cereals, as weeds, rape 2498
Galium aparine, rape 2498
Papaver, rape 2498
Poaceae, rape 2498
Sinapis arvensis, rape 2498
Stellaria media, rape 2498
weeds, rape 2498
Tebuthiuron
application date, railways 3391
control
carrots, as weeds, railways 3391
Centaurea maculosa, railways 3391
Festuca arundinacea, railways 3391
Melilotus alba, railways 3391
parsnips, as weeds, railways 3391
woody weeds, rangelands 4060
growth rate, *Lemna minor* 3436
nutrient uptake
algae 3436
cyanobacteria 3436
plant pests, rangelands 4060
registration, Canada 3436
residues, soil 4070
soil, sorption 4070
toxicity
aquatic organisms 3436
ecosystems 3436
Techniques
abrasion
weeds
cell membranes 1827
electrophysiology 1827
membrane permeability 1827
activated carbon, herbicide residues, drinking water 570
aerial surveys, weeds, spatial distribution 416
analytical methods
herbicide residues
aquifers 3593
atmosphere 2288
degradation 576
drinking water 3591
foods 883
groundwater 3593
leaching 3593
man 576
plant products 179
soil 179, 1092, 1883, 3593
sulfonylurea herbicides 1454

Techniques *cont.*
analytical methods *cont.*
herbicide residues *cont.*
water 1454
herbicides
fluridone 3124
HPLC 3124
quality standards 3124
weeds
Arabidopsis thaliana 3976
composition 3976
seeds 3976
anion exchange, herbicide residues, soil 2290
bioassays
herbicide residues
drinking water 125
groundwater 125
photolysis 1861
soil 132, 577, 2293
toxicity 1861
herbicides
degradation 5046
growth rate 1463
herbicide resistance 4109
selectivity 5046
susceptibility 2366
tolerance 4109
wheat 4109
weeds
allelopathins 2342
allelopathy 3501
gums 2342
seed germination 2890
biodegradation, herbicide residues, groundwater 2303
biosensors
herbicide residues 130
atrazine 4023
degradation 576
man 576
terbutryn 1461
water 129
herbicides
man 575
rats 575
toxicity 575
blood sampling
herbicides
rats 603
toxicity 603
cannulation
herbicides
rats 603
toxicity 603
cation exchange, herbicide residues, water 1032
cell culture
weed control, biological control 108
weeds, plant pathogenic bacteria 108
chemiluminescence immunoassays, herbicides, detection 1867
chromatography
herbicide residues
atrazine 4865
chlorotoluron 4514
2,4-D 3571
2,4-DB 3571
dichlorprop 3571
diuron 3571
fenuron 3571
fluometuron 4461
fruits 3567
isoproturon 4514
leaching 4461, 4514
linuron 3571
methabenzthiazuron 4514
metolachlor 4865
monolinuron 3571
monuron 3571
norflurazon 4461
organophosphorus herbicides 3567
sediment 4865
soil 115, 4865
2,4,5-T 3571
herbicides
detection 1867
purity 119
weeds, phytochelatins 406

Techniques *cont.*
computer software
weeds
identification 4142
training 4142
computer techniques
herbicide residues, soil 583
herbicides, application 253
weeds
biology 2247
distribution 2671
diversity 3073
ecology 49, 2247
growth rate 1371
identification 2185
plant communities 5163
plant competition 33
recruitment 3073
surveys 49
taxonomy 2247
weed associations 5163
concentration, herbicide residues, water 1032
databases
herbicides
information 687
interactions 687
weeds
biology 2247
ecology 2247
taxonomy 2247
degradation
herbicide residues
atrazine 3618
ozone 1493, 3618
ultraviolet radiation 3618
detection
herbicide residues
atrazine 2292
cereals 2724
fruit crops 2724
simazine 2292
vegetables 2724
weeds 1952
dialysis
herbicide residues
river water 3568
tap water 3568
water 3568
electric current, weeds, growth rate 1371
electric potential, herbicides, chemistry 2717
electrolysis, herbicide residues, water 4021
electromagnetic methods, herbicides, solubility 3119
electrophoresis
herbicide residues
2,4-D 3571, 4020
2,4-DB 3571
dichlorprop 3571, 4020
diuron 3571
fenoprop 4020
fenuron 3571
foods 116
groundwater 3572
linuron 3571
mecoprop 4020
monolinuron 3571
monuron 3571
soil 116
2,4,5-T 3571
water 116, 3572
ELISA
herbicide residues
alachlor 3575
apples 2728
atrazine 3575
automation 3575
cabbages 2728
degradation 134
drinking water 131
fruit crops 2728
marrows 2728
metolachlor 3575
optimization 128
potatoes 2728
rye 133
soil 3130-3131, 3164
tap water 1874
triazine herbicides 1872

Techniques *cont.*
ELISA *cont.*
herbicide residues *cont.*
vegetables 2728
waste water 1872
wastes 134
water 1045, 1871, 1875, 1877
wheat 133
weeds, allergens 827
enzyme immunoassay
herbicide residues
atrazine 3574
2,4-D 4469
drinking water 4469
groundwater 4469
maize 3574
MCPB 4469
mecoprop 4469
simazine 3574
water 2296
estimation, weeds, yields 2199
evaluation
herbicides
environmental impact 4882
toxicity 4882
experimental design
herbicide residues
leaching 3628
runoff 3628
soil 3628
expert systems
herbicide residues
degradation 173
leaching 173
persistence 173
soil 173
herbicides
application 253, 1153
application rates 1171, 2412
droplet studies 1153
Germany 716
mixtures 1171
spraying 1171
usage 173, 2412
weed control
barley 1188, 3766
field crops 3743
integrated control 1188, 3060
rape 3060
rice 754
tillage 2432
wheat 3060
yields 3766
weeds
biology 716
ecology 49
fynbos 5138
identification 18, 1352
invasion 5138
population density 716
population growth 716
seeds 1352
surveys 49
woody weeds 5138
yield components 474
extraction
herbicide residues 569
apples 2728
atmosphere 4862
atrazine 4458-4459, 4864-4865
benazolin 3564, 4017
bentazone 4017
blood 1464
bromofenoxim 3564
cabbages 2728
cereals 112
chlorotoluron 4863
chlorsulfuron 3558
cotton 4009
2,4-D 4010, 4017
2,4-DB 4010
dichlorprop 3563, 4010
diuron 4458, 4863
drinking water 114, 570, 3125, 4863-4864
ethofumesate 3564
fenoprop 4010
fruit crops 2728
groundwater 2287, 3559
isoproturon 4863
linuron 4863

Techniques *cont.*
extraction *cont.*
herbicide residues *cont.*
maize 1460
marrows 2728
MCPA 4010, 4017
MCPB 4010, 4017
mecoprop 3563, 4010, 4017
metolachlor 4865
metsulfuron 3558
molinate, water 4457
phenmedipham 3564
phenoxy herbicides 3563
potatoes 2728
propazine 4459
sediment 1864, 4865
seeds 4009
simazine 4459, 4864
soil 113, 115, 568, 1863, 1865, 2286, 2719-2721, 3558-3559, 3565, 4458, 4865
storage 1453
sulfonylurea herbicides 3558, 4011
surface water 4864
2,4,5-T 4010
thiobencarb, water 4457
triazine herbicides 4459
trietazine 4459
vegetables 2728
Vigna radiata 112
water 111, 113, 571, 1045, 2287, 2725, 3561, 3564, 4010-4011, 4017
herbicides, chlorsulfuron 2722
weeds
buried seeds 1337
polymerase chain reaction 531
flotation, weeds, buried seeds 1337
flow cytometry
herbicide residues
atrazine 4042
bentazone 4042
simazine 4042
toxicity 4042
fluorescence
herbicide residues 1034
dichlorprop 4024
terbutryn 2727
triazine herbicides 2727
water 3561
herbicides, detection 1867
weeds
chlorophyll 3971
gas exchange 3971
photosynthesis 3971
stomata 3971
fractionation, herbicide residues, soil water 3566
freeze drying, herbicide residues, soil water 3566
gas chromatography
herbicide residues 117, 569
acetochlor 4463
alachlor 4463
atrazine 2292, 4459, 4463
benazolin 3564
broccoli 3127
bromofenoxim 3564
cabbages 3127
carrots 1033
cereals 118
Citrus 3128
dichlorprop 3563
drinking water 114, 3125
ethofumesate 3564
fruit crops 3128, 4867
fruits 3567
imazethapyr 1035
leafy vegetables 3128
mecoprop 3563, 4869
metolachlor 4463
metosulam 3570
metsulfuron 4068
organophosphorus herbicides 3567, 4456
phenmedipham 3564
phenoxy herbicides 3563
primisulfuron 4068
propazine 4459
rain 4463

Techniques *cont.*
gas chromatography *cont.*
herbicide residues *cont.*
river water 4463
root crops 3128
simazine 2292, 4459
soil 118, 579, 1869, 2719, 3570, 4068
soyabeans 1035
spice plants 3128
tap water 4868
tomatoes 3127
triazine herbicides 4459, 4868
trietazine 4459
vegetables 4867
water 579, 1037, 1869, 3557, 3564
geographical information systems
herbicide residues, water 3586
weed control, *Reynoutria japonica* 3885
graphs, herbicides, efficacy 1152
HPLC
herbicide residues 569
acetochlor 4463
alachlor 4463
ametryn 4014
amitrole 4012
atrazine 4463, 4864
benazolin 3564
bromofenoxim 3564
cereals 2724
diquat 4018
diuron 4014
drinking water 4018, 4864
ethofumesate 3564
fluometuron 4461
fruit crops 2724
groundwater 3572
leaching 4461
MCPA 4014
metolachlor 4463
norflurazon 4461
paraquat 4018
phenmedipham 3564
rain 4463
river water 4463
simazine 4864
soil 115, 1044, 1863, 2291, 2294, 2723
soil water 3566
surface water 4864
vegetables 2724
water 571, 2289, 2723, 3557, 3564, 3572, 4012, 4018
herbicides
acrolein 1038
chlorsulfuron 2722
droplet studies 2378
separation 1038
imagery
weeds 1952
chlorophyll 3971
gas exchange 3971
identification 2185
photosynthesis 3971
stomata 3971
immunoassay
herbicide residues 1046-1047, 4022
atrazine 1876
blood 1041
cinosulfuron 1462
2,4-D 1878
degradation 576
dichlorprop 4024
drinking water 135, 1459
foods 116, 126, 2726
groundwater 1870, 3572
interactions 1873
maize 1460
man 576
metolachlor 1876
milk 146, 1041
paraquat 1043
precipitation 578
rain 2295
soil 116, 126, 1044, 1459, 1462, 2294
surface water 578, 2295
terbutryn 2727
triasulfuron 1462

Techniques *cont.*
immunoassay *cont.*
herbicide residues *cont.*
triazine herbicides 2727
urine 1041
water 116, 126, 1041, 1459, 3572, 3576, 4021
weeds, plant growth regulators 1848
information systems, herbicide residues, drinking water 3591
infrared spectroscopy
herbicide residues
foods 116
soil 116
water 116
injection, herbicides, roots 655
ion exchange chromatography, herbicide residues, water 3569
irradiation, weed control, seed contamination 1751
kinetics, herbicide residues, diquat 4871
liquid chromatography
herbicide residues 4866
benazolin 3564, 4017
bentazone 1036, 4017
bromofenoxim 3564
bromoxynil 4013
cereals 112
chlorotoluron 4863
2,4-D 4010, 4013, 4017
2,4-DB 4010
dichlorprop 4010
diquat 4018
diuron 4863
drinking water 4013, 4018, 4863
ethofumesate 3564
fenoprop 4010
foods 4464
fruits 3567
groundwater 122
isoproturon 4863
linuron 4863
MCPA 4010, 4017
MCPB 4010, 4017
mecoprop 4010, 4017
methazole 1455
metosulam 3570
organophosphorus herbicides 3567
paraquat 4018
phenmedipham 3564
plant products 4464
river water 122, 3568
soil 573, 3570
surface water 4013
2,4,5-T 4010
tap water 122, 3568
urea herbicides 4465
Vigna radiata 112
water 1032, 2289, 2725, 3564, 3568-3569, 4010, 4017-4018
herbicides, formulations 121
mapping
herbicide residues
alachlor 4075
atrazine 4075
leaching 4075
soil 4075
weeds
Cirsium arvense 2240
distribution 2671, 4758
land use 702
population density 2240, 3508, 3518
roots 2240
rotations 3521
spatial distribution 2240, 3070, 3518, 3889
mass spectrometry
herbicide residues 4866
acetochlor 4463
alachlor 4463
atrazine 4463
benazolin 3564, 4017
bentazone 4017
bromofenoxim 3564
chlorotoluron 4863
2,4-D 4017
dichlorprop 3563
diquat 4018
diuron 4863

Techniques *cont.*
mass spectrometry *cont.*
herbicide residues *cont.*
drinking water 114, 3125, 4018, 4863
ethofumesate 3564
foods 116
groundwater 122, 2287
isoproturon 4863
linuron 4863
MCPA 4017
MCPB 4017
mecoprop 3563, 4017
metolachlor 4463
metosulam 3570
paraquat 4018
phenmedipham 3564
phenoxy herbicides 3563
rain 4463
river water 122, 4463
soil 115-116, 1869, 3570
tap water 122
urea herbicides 4465
water 116, 1037, 1869, 2287, 2725, 3564, 4017-4018
weeds
Arabidopsis thaliana 3976
composition 3976
seeds 3976
microscopy
weeds
phloem 2694
roots 2694
translocation 2694
models
herbicide residues
alachlor 4075
aquatic organisms 4908-4909
aquifers 3593, 3632
atmosphere 2297
atrazine 3660, 4075-4076, 4503, 4911, 4919-4920, 4922-4924
biodegradation 4937
chlorsulfuron 4026
climate 3614
2,4-D 3667, 4937
degradation 170, 2322, 3611, 4911
drinking water 247
environmental impact 149, 172, 1881
fishes 1069
groundwater 1092, 1467, 3593, 4072, 4922
hexazinone 3660
kinetics 2749
leaching 1492, 1915, 3593, 3633, 3635-3636, 3640, 3644, 3647, 3649, 3652, 3660, 4072, 4075, 4920, 4924
legislation 247
MCPA 4937
movement 170, 172, 2297, 3622, 3631-3632, 3634-3637, 3890, 4071, 4073, 4076, 4919
oxidation 2749
ozone 2749
persistence 173, 3159, 3613, 4503
risk assessment 4325
runoff 629, 3648
simazine 4911, 4924
soil 170, 583, 611, 629, 1085, 1092, 1915, 2322, 2746, 3159, 3162, 3593, 3611, 3613-3614, 3622-3623, 3631-3637, 3640, 3644, 3647, 3649, 3652, 3660, 3663, 3667, 3890, 4026, 4071-4073, 4075-4076, 4911, 4919, 4923-4924
soil water 3611, 3649, 3660, 4503
sorption 1085, 3162
surface water 1092, 3583
2,4,5-T 3667, 4937
temperature 3611, 4503
toxicity 1069, 4908-4909
urine 591
water 611, 629, 1469, 3586, 4071
herbicide resistance, weeds 4411

Techniques *cont.*
models *cont.*
herbicides
adjuvants 1923
aerial application 4978
amide herbicides 4001
antagonism 3711
application 691, 1153, 4985
application methods 5012
application rates 260, 1171, 2412, 3931
barley 4095
booms 691
cereals 3750, 4095
cherries 777
climate 1157
degradation 1120, 3608
deposition 691, 4497
drift 1549, 4573
droplet studies 1153, 4978
environmental impact 172
exposure 155, 4997
flumetsulam 1120
forests 4978
fungi 4497
growth rate 1056
herbicide mixtures 3710-3711, 4132-4133
herbicide resistance 194
high volume spraying 4972
humidity 1157
interactions 4132-4133
knapsack sprayers 4985
light 1157
low volume spraying 4972
maize 2304
man 155, 575, 592-593
mixtures 1171, 3710
mode of action 194
nicosulfuron 3710
nontarget effects 3601, 4497
phloem 1520, 4096
photosynthesis 3215
Populus 342
Pteridophyta 4497
rats 575
registration 4997
resistance 1808
safety 4985
soil 3608
sorption 1084
Spermatophyta 4497
sprayers 691
spraying 1171
structure activity relationships 4001
surfactants 1965
synergism 3711
temperature 1157
toxicity 575, 588, 593, 599, 1056, 4997
translocation 1120, 1520, 2773, 4096
transpiration 777, 4095
uptake 192, 1120, 1923, 1965, 2773, 4095
usage 2412
volatilization 4497
yields 342, 777
weed control
Abutilon theophrasti 4382
Alopecurus myosuroides 4155
application methods 5012
aquatic weeds 2578
barley 1188
biological control 422, 3998
chemical control 276
cherries 777
crop damage 1210
economics 3750, 4164, 4382, 4647
field crops 3743
flame cultivators 1580, 4141
forests 3364
growth rate 3364
heat treatment 3719
herbicide resistant weeds 4614
information 5012
integrated control 1188, 1322
Lolium rigidum 4614
maize 2005, 4382

Techniques *cont.*
models *cont.*
weed control *cont.*
peas 4647
population density 1210
Pteridium aquilinum 1672, 2537
Rubus parviflorus 363
Rubus spectabilis 363
Sida acuta 3998
Sinapis alba 1580
soyabeans 4382
Spain 4164
tillage 900, 2432
transpiration 777
wheat 4164
yields 777, 3364
weeds
Abutilon theophrasti 4382, 4421
Acer macrophyllum 5130
allelopathins 2546
anatomy 4818
aquatic weeds 3007, 4293
Avena fatua 4969
broccoli 2656
buried seeds 4763
Capsella bursa-pastoris 3902
carbon 1376
cell culture 4837
cell walls 1419
cereals 4384
Chenopodium rubrum 4837
Cirsium arvense 1013
climate 1672, 1765, 3948, 5028
compaction 1717
crop damage 1210
cyanobacteria 3019
cytology 1419
Datura stramonium 4421
decomposition 1256
development 2273
dioecy 2273
distribution 3948
disturbed land 36
diversity 3073
drinking water 3019
Echinochloa crus-galli 4370
economic thresholds 2198
Eichhornia crassipes 1717
emergence 903, 2163, 3900
Eucalyptus 4360
evolution 2853
flax 3934
flora 5028
flowering 910, 921
flowers 2273
forests 32
fynbos 5138
gas exchange 4293, 4828
gene flow 921
genetics 1755
groundnuts 4373
growth rate 32, 422, 1376, 1672, 2339, 2911, 2937, 3494, 4362, 5130
growth retardants 2339
hepatotoxins 3019
herbicide resistance 4969
host parasite relationships 1695-1696, 2937
hosts of plant pests 1013
hybridization 917, 921
Hydrocotyle bonariensis 4355
information 5012
intraspecific competition 4386
invasion 2108, 5138
leaf area 3936
life cycle 2662
light 944, 4373
maize 4382
Matricaria perforata 3494
microbial degradation 1256
morphology 3494
Nigeria 4384
nitrogen 1376
nutrient availability 1390, 4355
nutrient content 1376
nutrient uptake 1695-1696, 4791
oats 2658
Orobanche crenata 2853
parasitic weeds 2937
phloem loading 2693

Techniques *cont.*
models *cont.*
weeds *cont.*
photosynthesis 60
physiology 3494
plant competition 32, 36, 39, 45, 276, 355, 475, 932, 934-935, 944, 1389-1390, 1776, 1785, 2650, 2654, 2656, 2658, 3494, 3931, 3934, 3936, 4360, 4362, 4373, 4791, 5130
plant diseases 1439
plant growth regulators 2911
plant height 4818, 5130
plant succession 3942
population density 45, 1210, 1397, 1785, 3055, 3934, 3998, 4802
population dynamics 962, 1185, 2662, 3748, 3931, 3939, 4382, 4386
prediction 1397
Psathyrostachys juncea 3900
Pseudotsuga menziesii 5130
Pteridium aquilinum 1672, 2537
recruitment 3073
reproduction 910
Reynoutria japonica 3948
rice 935, 3492, 4370
roots 2111, 3900
Scirpus acutus 4748
seed banks 900, 1397, 2602, 2662
seed dispersal 1785
seed dormancy 1785, 3902, 4763
seed germination 1743, 2602
seed production 2602, 4367
seeds 3900
shading 4373
Sida acuta 3998
Silene alba 1439
soil fertility 4384
soil types 3902, 5028
sowing date 2853
soyabeans 2198, 4382
spatial distribution 52, 4355, 4388, 4397
species diversity 3055
spread 2108
Stellaria media 3494
sugars 4837
survival 1785, 2602
Taraxacum officinale 4969
temperature 2163
toxicity 3019
transpiration 60
Typha angustifolia 4293
Typha latifolia 4293
vegetative propagation 4355
Vigna radiata 4367
volunteer plants 3934
water flow 4748
water flow resistance 3007
water potential 2163
water relations 4421
weed associations 4384
wheat 944, 1185, 2654, 5028
woody weeds 5138
Xanthium strumarium 4421
yield components 474, 2215
yields 39, 935, 1210, 1776, 2656, 2937, 3492, 3931, 3934, 3936, 4367-4368, 4791
nuclear magnetic resonance
herbicide residues
carrots 1033
foods 116
soil 116
water 116
ozone
herbicide residues, water 1718
weeds
algae 1718
cyanobacteria 1718
water 1718
photography
weed control
forests 346
Pinopsida 346
photolysis, herbicide residues, degradation 1861
polarography
herbicides
metamitron 1456
surfactants 1040
polymerase chain reaction
herbicides
resistance 663
tolerance 663
weeds, herbicide resistance 663
polymerization, herbicide residues, atrazine 4460
purification, weeds, enzymes 3087
radionuclides, herbicide residues, sorption 136
reflectance
weeds
Capsicum annuum 2230
population density 3518
Pteridium aquilinum var. *esculentum* 4270
spatial distribution 3070, 3518, 3889, 4270
remote sensing
weed control
forests 346
Pinopsida 346
weeds 495, 1952
Capsicum annuum 2230
population density 3518
Pteridium aquilinum var. *esculentum* 4270
spatial distribution 416, 3518, 4270
Vaccinium angustifolium 4390
risk assessment, herbicide residues, soil flora 185
sample plot technique, weeds, yields 2199
sampling
herbicide residues
atmosphere 3560
organophosphorus herbicides 4456
rain 3560
weed control 1731
weeds 1731
seed banks 3466, 3907
screening
herbicide residues
drinking water 2305
Melissa officinalis 2733
pentachlorophenol 3126
soil 3126
water 2305
herbicides
chicory 2051
electron transfer 1537
enzymes 3219
photosynthesis 1537
tubers 2604
weeds, mutants 1836
seed testing, weeds, viability 901
sensors, herbicides, detection 1458
sorption, herbicide residues, atrazine 4460
specific ion electrodes
herbicide residues
paraquat 4466
water 4466
spectrometry
herbicide residues, water 3561
weeds
mutants 1836
plant diseases 542
spectrophotometry
herbicide residues
blood 1464
diquat 4871
paraquat 4019
plant products 123
soil 4019
water 123, 3573, 4019
herbicides, detection 1867
spectroscopy
herbicide residues, blood 1464
weeds, spatial distribution 3070
statistical analysis
herbicide residues, interactions 1873
herbicides
application 1579
efficacy 1152
statistical analysis *cont.*
weeds
Amaranthus 4775
aquatic weeds 5172
arable land 3957
Artemisia tridentata 1383
barley 494
Cirsium arvense 2240
demography 1798
Diplotaxis erucoides 2246
distribution 5172
ecology 3957
environmental factors 3060
growth rate 427, 5172
identification 1352, 4775
oats 494
plant communities 51, 3957
plant competition 4792
population density 51, 2240
population dynamics 3060, 3521
roots 2240
seeds 1352
spatial distribution 2240, 4388
species diversity 51, 5172
survival 2246
vegetative propagation 415
weed associations 3957
wheat 494
surveys
weeds
environmental factors 3060
population dynamics 3060
thin layer chromatography
herbicide residues 1034
atrazine 4864
drinking water 2305, 4864
prometryn 4015
simazine 4864
surface water 4864
water 2305
toxicity, man 592
ultraviolet radiation
herbicide residues
metosulam 3570
soil 3570
ultraviolet spectroscopy
herbicide residues
fluometuron 4461
leaching 4461
norflurazon 4461
uptake
herbicide residues
skin 3148
toxicity 3148
voltammetry
herbicides
detection 1458
metamitron 1456
wind tunnels, herbicide residues, atmosphere 2288
Tephrosia candida, Brazil 283
Terbacil
application date
potatoes 313
sugarcane 789, 1229
application methods
Citrus 2307
potatoes 313
sugarcane 789
application rates
potatoes 313
sugarcane 789
Vaccinium ashei 1222
Vaccinium vitis-idaea 1223
bioassays
cucumbers 4502
lucerne 2366
chlorophyll
lucerne 2366
Vaccinium ashei 1222
Vaccinium vitis-idaea 1223
control
Agrostis capillaris
Festuca 3304
grasslands 3304
Dactylis glomerata
Festuca 3304
grasslands 3304
Lolium perenne
Festuca 3304

Terbacil *cont.*
control *cont.*
Lolium perenne cont.
grasslands 3304
Poaceae, potatoes 313
Rottboellia cochinchinensis, sugarcane 789
Sorghum halepense, sugarcane 1229
Vulpia myuros
Festuca 3304
grasslands 3304
weeds
Festuca 3304
grasslands 3304
lemons 4672
oranges 4672
Vaccinium vitis-idaea 1223
damage
Festuca 3304
grasslands 3304
sugarcane 789
Vaccinium ashei 1222
Vaccinium vitis-idaea 1223
fruits, *Citrus* 2307
growth rate
cucumbers 4502
Vaccinium ashei 1222
interactions, herbicides 3304
leaves, *Citrus* 2307
light, lucerne 2366
mode of action 313
nectar, lucerne 4567
nontarget effects, honey bees 4567
photosynthesis
lucerne 2366
Melissa officinalis 2733
photosystem II, lucerne 2366
quality
lemons 4672
oranges 4672
residues
Citrus 2307
Melissa officinalis 2733
soil 2307, 4502
water 636
soil
degradation 2307
movement 2307
persistence 4502
sugars
lucerne 4567
sugarcane 1229
susceptibility, lucerne 2366
thylakoids, lucerne 2366
tolerance
Vaccinium ashei 1222
Valeriana officinalis 4250
water
biodegradation 636
oxygen 636
yields
Festuca 3304
grasslands 3304
lemons 4672
oranges 4672
sugarcane 1229
Terbucarb
cytology, oats 217
microtubules, oats 217
mitosis, oats 217
mode of action, oats 217
residues, groundwater 4517
resistance, *Lolium rigidum* 2684
toxicity, rats 4045
water, degradation 4517
Terbumeton
control
weeds
apples 1917
grapes 779
interactions, mixtures 4530
residues, soil 1917, 4515, 4530
soil
actinomycetales 4530
bacteria 4530
fungi 4530
leaching 4515
microorganisms 1917
persistence 4515
Terbuthylazine
analytical methods
electrophoresis 3572
extraction 111, 571
HPLC 571, 3572
immunoassay 3572
application
application date 2325
cleaning 4030
sprayers 4030
application date, sorghum 1607, 4182
application methods
Citrus 2494
grapes 2494
olives 2494
pome fruits 2494
application rates
Citrus 2494
grapes 2494
olives 2494
pome fruits 2494
potatoes 3805
chemistry 2494
degradation 2297, 3550
oxidation 3550
photolysis 2297
chlorophyll
algae 4534, 4562
cyanobacteria 4534, 4562
control
Agrostis capillaris, Pinus sylvestris 4246
Amaranthus retroflexus
maize 2826
sorghum 4182
Calamagrostis arundinacea, Pinus sylvestris 4246
Chamerion angustifolium, Pinus sylvestris 4246
Chenopodium album, sorghum 4182
Deschampsia flexuosa, Pinus sylvestris 4246
Echinochloa crus-galli
maize 2826
sorghum 1607, 4182
Festuca ovina, Pinus sylvestris 4246
Galium aparine, potatoes 3805
Galium tricornutum, potatoes 3805
Pteridium aquilinum, Pinus sylvestris 4246
Solanum nigrum, sorghum 4182
sunflowers, as weeds, sorghum 1607
weeds
apples 1917, 4222
Citrus 2494
faba beans 759
grapes 779, 2494
maize 2826, 3771
olives 2494
Pinus sylvestris 4246
pome fruits 2494
Zantedeschia albomaculata 4249
damage
maize 4100
potatoes 3805
sorghum 4182
fluorescence
algae 4562
cyanobacteria 4562
formulations
controlled release 3704
emulsifiable concentrates 3704
growth rate
Acacia melanoxylon 4240
algae 4534
Cupressus lusitanica 4240
Cupressus macrocarpa 4240
cyanobacteria 4534
Eucalyptus fastigata 4240
maize 4100
Pinus radiata 4240
Pinus sylvestris 4246
planting stock 4240
interactions
herbicides 1607, 2826, 4182
mixtures 4530
mode of action 2494
morphology, maize 4100
plant height, *Pinus sylvestris* 4246
properties 2494
Terbuthylazine *cont.*
residues
aquifers 2300, 3657
atmosphere 137, 2297, 3578
drinking water 2300
foods 2731
groundwater 2300, 2325, 3175, 3572
precipitation 3578
rain 137
river water 571, 2300, 4534
soil 165, 621, 629-630, 1088, 1492, 1915, 1917, 2300, 2325, 3168, 3175, 3639, 3641, 3656-3657, 3704, 4030, 4222, 4515, 4530
soil water 629, 1088, 3656, 3704
surface water 629, 2300
water 571, 2300, 2731, 3550, 3572, 3657
wells 2300
seed production, faba beans 759
selectivity, sorghum 1607
soil
actinomycetales 4530
bacteria 4530
climate 2325
degradation 3175, 3657, 4030
earthworms 165
fungi 4530
humus 3175
irrigation 3168
leaching 1088, 1492, 1915, 2325, 3704, 4515
microorganisms 1917
movement 630, 2300, 3168, 3639, 3641, 3657
organic matter 621, 630
persistence 3657, 4030, 4515
rain 1088, 3639
runoff 629
soil types 621, 630, 1492, 2325, 3168, 3641, 3805
soil water 2325, 3168
sorption 621, 1492, 1915, 3168, 3175, 3641, 3657
temperature 4030
species diversity
algae 4534
cyanobacteria 4534
tolerance
Acacia melanoxylon 4240
Cupressus lusitanica 4240
Cupressus macrocarpa 4240
Eucalyptus fastigata 4240
Pinus radiata 4240
planting stock 4240
toxicity
algae 4534
cyanobacteria 4534
earthworms 165
tubers, *Zantedeschia albomaculata* 4249
uptake 3704
maize 3704
variety trials
maize 4100
potatoes 3805
water
degradation 3550, 3657
movement 3657
persistence 3657
sorption 3657
yield components, faba beans 759
yields
faba beans 759
maize 4100
potatoes 3805
Zantedeschia albomaculata 4249
Terbutryn
analytical methods 4928
biosensors 1461
fluorescence 2727
immunoassay 1046, 2727
application date
potatoes 313
sorghum 4182
wheat 143, 4482
application methods, potatoes 313
application rates, potatoes 313, 3805
chemistry
degradation 3549, 4928
oxidation 3549

Terbutryn *cont.*
control
algae, rice 5045
Amaranthus retroflexus, sorghum 4182
Amaranthus viridis, Pennisetum glaucum 5040
Anagallis arvensis
Indian mustard 4233
wheat 4166
Avena fatua, wheat 4166
Chenopodium album
Indian mustard 4233
sorghum 4182
wheat 4166
chicory, as weeds, Indian mustard 4233
Cirsium arvense, wheat 4166
Cynodon dactylon, Indian mustard 4233
Cyperus rotundus
Indian mustard 4233
Pennisetum glaucum 5040
Digera arvensis, Pennisetum glaucum 5040
Digitaria ciliaris, Indian mustard 4233
Echinochloa colonum, Pennisetum glaucum 5040
Echinochloa crus-galli, sorghum 4182
Fallopia convolvulus
oats 4622
Vicia sativa 4622
Fumaria officinalis
oats 4622
Vicia sativa 4622
Galium aparine, potatoes 3805
Galium tricornutum, potatoes 3805
Lamium amplexicaule
oats 4622
Vicia sativa 4622
Lolium rigidum, oats 3768
Medicago polymorpha, Indian mustard 4233
Melilotus alba, Indian mustard 4233
Melilotus indica, wheat 4166
Paspalum distichum, Indian mustard 4233
Phalaris minor
Indian mustard 4233
wheat 4166
Phyllanthus niruri, Pennisetum glaucum 5040
Poaceae
chickpeas 4648
lentils 4648
potatoes 313
Polygonum aviculare
oats 4622
Vicia sativa 4622
Portulaca oleracea, Indian mustard 4233
Rumex dentatus, Indian mustard 4233
Solanum nigrum, sorghum 4182
Spergula arvensis, Indian mustard 4233
Trianthema portulacastrum, Pennisetum glaucum 5040
Trifolium fragiferum, Indian mustard 4233
weeds
cereals 5018
chickpeas 2476, 4648
faba beans 759
Indian mustard 4233
lentils 4648
Limnanthes alba 4234
oats 4622
Pennisetum glaucum 3781
pigeon peas 3320
Vicia sativa 4622
Vigna radiata 3320
wheat 1185, 4166
Zantedeschia albomaculata 4249
damage
Limnanthes alba 4234
oats 4622
potatoes 3805
sorghum 4182
Vicia sativa 4622
growth rate, algae 5045
interactions
herbicides 4166, 4182, 4648
surfactants 4166
mode of action 313
nitrogen content, rice 5045
nontarget effects
algae 4050
bacteria 4050
Crustacea 4050
nutrient uptake
Amaranthus viridis 5040
Cyperus rotundus 5040
Digera arvensis 5040
Echinochloa colonum 5040
Pennisetum glaucum 5040
Phyllanthus niruri 5040
rice 5045
Trianthema portulacastrum 5040
plant breeding, tolerance 212
population dynamics
oats 4622
Vicia sativa 4622
residual effects 2476
residues
atmosphere 3578
groundwater 3549
precipitation 3578
soil 4515
tap water 4928
water 4050
wheat 143, 4482
seed production, faba beans 759
seeds, wheat 4482
soil
leaching 4515
persistence 4515
soil types 3805
surfactants, wheat 4166
tolerance
chickpeas 212, 2476
Limnanthes alba 4234
oats 4622
Vicia sativa 4622
toxicity
algae 4050
bacteria 4050
Crustacea 4050
tubers, *Zantedeschia albomaculata* 4249
variety trials
cereals 5018
potatoes 3805
wheat 4482
water
degradation 3549
oxidation 3549
pH 5045
water purification 4928
yield components, faba beans 759
yields
chickpeas 4648
faba beans 759
Indian mustard 4233
lentils 4648
Pennisetum glaucum 3781
pigeon peas 3320
potatoes 3805
rice 5045
Vigna radiata 3320
wheat 4166
Zantedeschia albomaculata 4249
Terminalia oblongata, toxicity, sheep 2916
Tetcyclacis 1124, 1741
Teucrium canadense
control
cultural control 285
integrated control 285
physical control 285
maize
population density 285
USA 285
soyabeans
population density 285
USA 285
Thailand
Dactyloctenium aegyptium 949
Eupatorium trapezoideum 685
Mimosa pigra 105
rice 1854, 2027
algae 421, 5045
cyanobacteria 421
rice *cont.*
Poaceae 421
Richardia scabra 949
soyabeans 2848
weed control
biological control 561, 3993
economics 3289
integrated control 3289
rice 3289
weeds
aquatic weeds 2022
Eleusine indica 4341
rice 2022
surveys 4341
Thalia genicularis
control
chemical control 1202
cultural control 1202
Thalia geniculata
rice
Cuba 1780
flooding 1780
plant competition 1780
Thalimide, N-(4-chlorophenyl)-3,4,5,6-tetrahydroph- 2369, 4113
Thea sinensis (*see* Tea)
Thenylchlor
control, *Echinochloa crus-galli* 2299
growth rate, *Echinochloa crus-galli* 2299
residues
soil 2299
soil water 2299
soil
degradation 2299
soil types 2299
soil water 2299
Thermopsis rhombifolia, Medicago lupulina, hosts of plant diseases 4849
Theses 209, 931, 3261, 3416, 4141, 4176, 4277, 4842
Thesium humile
biology
composition 1682
enzymes 1682, 2121
gene expression 2121
growth rate 2121
mannitol 1682
metabolism 1682
molecular genetics 2121
nutrient content 2121
nutrient uptake 2121
phosphoenolpyruvate carboxylase 2121
photosynthesis 1682, 2121
respiration 2121
ribulose-bisphosphate carboxylase 2121
roots 2121
senescence 2121
stomata 2121
temperature 1682
water relations 2121
control, chemical control 1682
ecology, nutrient uptake 2121
wheat
host parasite relationships 1682, 2121
nutrient uptake 2121
Thiadiazolidine-thiones 3693
Thiadiazolidine-2-thiones, 5-arylimino-3,4-tetramethylene-1,3,4- 3693
Thiadiazolidines, 2-arylamino-4-aryloxy-acetyl-Δ^2-1,3,4- 4002
Thiazafluron
residues, soil 3625
soil
organic matter 3625
soil types 3625
sorption 3625
Thiazopyr
bioassays
Arabidopsis 4888
soyabeans 4888
cell culture, soyabeans 4888
control
Convolvulus arvensis, olives 2500
Galium, olives 2500
Lavatera, olives 2500
Malva, olives 2500
Sherardia, olives 2500

Thiazopyr *cont.*
control *cont.*
weeds
Citrus 4041
cotton 4041
damage, almonds 3818
growth rate, *Arabidopsis* 4888
residues, soil 3818
toxicity
birds 4888
cattle 4888
pigs 4888
rabbits 4888
rats 4041
Thidiazimin 2363
Thidiazuron 1509, 2996, 4407
respiration, *Striga hermonthica* 4730
seed germination, *Striga hermonthica* 4730
Thifensulfuron
adjuvants
maize 4625
soyabeans 2469, 4643
analytical methods
extraction 4011
gas liquid chromatography 1868
HPLC 2723
mass spectrometry 1868
nuclear magnetic resonance 1868
antagonism, maize 4625
application
application date 2399
application rates 2399
safety 2399
application date
maize 231
pastures 4197
soyabeans 3795, 4643
application rates
Amaranthus palmeri 3523
Amaranthus rudis 3523
buckwheat 2453
cherries 3307
grapes 3307
lentils 2453
lucerne 3307
pastures 4197
peas 1122, 2453
rape 2453
roses 3307
sunflowers 2453
bioassays, soyabeans 3222
control
Abutilon theophrasti, soyabeans 4643
Aethusa cynapium, wheat 272
Amaranthus albus, soyabeans 3795
Amaranthus palmeri, soyabeans 3795
Amaranthus retroflexus, soyabeans 3795
Amaranthus rudis, soyabeans 3795
Ambrosia artemisiifolia, soyabeans 2469
Anthemis cotula, pastures 4197
Avena fatua 3700
Cerastium glomeratum, pastures 4197
Chenopodium album, Bromus inermis 2456
Digitaria sanguinalis, maize 4625
Eriochloa villosa, maize 4625
Leucanthemum vulgare, pastures 4197
Panicum dichotomiflorum, maize 2430
Panicum miliaceum, maize 4625
Polygonum hydropiper, pastures 4197
Polygonum persicaria, pastures 4197
Ranunculus acris 861
pastures 4197
rape, as weeds, wheat 272
Setaria faberi, maize 4625
Stellaria media
barley 2257
wheat 2257
Trifolium, pastures 4197
Veronica hederifolia, wheat 272
weeds 2399
maize 2430, 3771
Miscanthus sinensis 2099
Trifolium repens 1623
cross resistance
Abutilon theophrasti 1810
Ranunculus acris 861

Thifensulfuron *cont.*
damage
buckwheat 2453
cherries 3307
grapes 3307
lentils 2453
Lotus corniculatus 2784
lucerne 3307
maize 231, 4100, 4625
Miscanthus sinensis 2099
peas 1122, 2453
rape 2453
roses 3307
soyabeans 2469
sunflowers 2453
Trifolium repens 1623
degradation
Abutilon theophrasti 649
Anoda cristata 649
soyabeans 649
drift
buckwheat 2453
cherries 3307
grapes 3307
lentils 2453
lucerne 3307
peas 2453
rape 2453
roses 3307
sunflowers 2453
droplet size, peas 1122
enzymes, soyabeans 3222
growth rate
maize 4100
peas 1122
interactions
adjuvants 2469, 4625, 4643
fertilizers 4625, 4643
herbicides 2469, 4625, 4643
pesticides 2399
safeners 231
surfactants 4625, 4643
isomerases, soyabeans 3222
legislation, Poland 2399
metabolism, maize 231
morphology, maize 4100
nontarget effects
soil fauna 4884
soil flora 4884
plant breeding, tolerance 2784
registration, Poland 2399
residues
soil 187, 1868, 4884
water 1868, 4011, 4884
wheat 1868
resistance
Abutilon theophrasti 1810
Amaranthus palmeri 3523
Amaranthus rudis 3523
Anoda cristata 649
Ranunculus acris 861
safeners, maize 231
seed germination
lentils 2453
peas 2453
rape 2453
seed oils
rape 2453
sunflowers 2453
seed weight
buckwheat 2453
lentils 2453
peas 2453
rape 2453
sunflowers 2453
selectivity
Abutilon theophrasti 649
Anoda cristata 649
soyabeans 649
soil
fungi 187
microbial activities 187
mineralization 187
nitrification 187
organic matter 187
respiration 187
soil fauna 4884
soil flora 4884
surfactants
maize 4625
soyabeans 4643

Thifensulfuron *cont.*
tolerance
buckwheat 2453
lentils 2453
Lotus corniculatus 2784
maize 231
peas 2453
rape 2453
soyabeans 649, 3222
sunflowers 2453
toxicity 2399
translocation
Abutilon theophrasti 649
Anoda cristata 649
peas 1122
soyabeans 649
uptake
Abutilon theophrasti 649
Anoda cristata 649
peas 1122
soyabeans 649
variety trials, maize 4100
water, aquatic organisms 4884
yields
Bromus inermis 2456
buckwheat 2453
lentils 2453
maize 4100, 4625
peas 2453
rape 2453
soyabeans 2469, 4643
sunflowers 2453
Thinopyrum intermedium *(see Elymus hispidus)*
Thiobencarb
α-amylase
Echinochloa crus-galli 1534
rice 1534
analytical methods, extraction 1453, 4457
anatomy, *Echinochloa crus-galli* 2782
application date, rice 2024, 3788, 4630
application methods, rice 3784
application rates
Echinochloa crus-galli 4117
rice 2024, 2842, 4117, 4630
bioassays, algae 3682
carbohydrates
Echinochloa crus-galli 1534
rice 1534
chemistry
pH 4860
photolysis 4860
composition
Echinochloa crus-galli 1534
rice 1534
sugarcane 2883
control
Ageratum conyzoides
groundnuts 4232
rice 4184, 4631
Amaranthus viridis
groundnuts 4232
rice 4631
aquatic weeds, rice 2028
Celosia argentea, groundnuts 4232
Chenopodium ambrosioides, rice 4184
Cleome viscosa, rice 2026
Cynodon dactylon, rice 2026, 4631
Cyperus difformis
rice 3292
Vigna radiata 3292
Cyperus iria
groundnuts 4232
rice 4184, 4630
Cyperus rotundus
groundnuts 4232
rice 2026, 3788, 4184, 4631
Echinochloa, rice 4630
Echinochloa colonum
groundnuts 4232
rice 1202, 4184
Echinochloa crus-galli
rice 752, 1202, 2024, 2026, 2028, 3292, 3784, 3786, 3788
Vigna radiata 3292
Echinochloa glabrescens
rice 3292
Vigna radiata 3292
Eclipta
rice 3292

Thiobencarb *cont.*
control *cont.*
Eclipta cont.
Vigna radiata 3292
Eclipta alba, rice 3786
Eleusine indica, groundnuts 4232
Erigeron linifolius, rice 4184
Euphorbia hirta, rice 2026
Euphorbia prostrata
rice 3292
Vigna radiata 3292
Fimbristylis miliacea, rice 4630
Heteranthera limosa, rice 752
Heteranthera reniformis, rice 752, 2436
Hymenachne amplexicaulis, rice 1198
Imperata cylindrica, rice 4184
Leptochloa fascicularis, rice 1202
Leucas aspera, rice 4631
Mimosa pudica, rice 4631
Monochoria vaginalis
rice 3292, 4630
Vigna radiata 3292
Panicum ramosum, rice 4631
Paspalum dilatatum, groundnuts 4232
Paspalum distichum
rice 3292
Vigna radiata 3292
Phyllanthus niruri, rice 4631
Plantago major, rice 4184
rice, as weeds, rice 5054
Scirpus, rice 4630
Setaria pumila, groundnuts 4232
Spergula arvensis, rice 4184
Trianthema portulacastrum, groundnuts 4232
weeds
Eleusine coracana 5043
Indian mustard 3822
rice 1198, 1200, 2023, 2025, 2027-2029, 2441, 2843, 3293-3294, 3296, 3786-3787, 4184, 4630-4631
soyabeans 758, 5065
sugarcane 2883
damage, rice 1198, 2842, 5054
economics
Eleusine coracana 5043
groundnuts 4232
rice 2023, 3784, 4630
environmental impact, rice 3144
enzymes
Echinochloa crus-galli 1534, 4117
rice 1534, 4117
formulations
controlled release 3224
granules 3224
growth rate
algae 3682
Cleome viscosa 2026
Cynodon dactylon 2026
Cyperus rotundus 2026
Echinochloa crus-galli 2026, 2782, 4117
Euphorbia hirta 2026
rice 2026, 3293, 3788, 4117
Vigna radiata 653
interactions, herbicides 752, 2024, 2027, 3784
leaf area, *Vigna radiata* 653
leaf area index, rice 3788
leaves
Echinochloa crus-galli 1534, 2782
rice 1534, 2782
morphology, *Echinochloa crus-galli* 2782
nitrogen, Indian mustard 3822
nutrient uptake
Indian mustard 3822
rice 3292, 4184
Vigna radiata 3292
phosphorus, Indian mustard 3822
photosynthesis
Echinochloa crus-galli 1534
rice 1534
pigments, rice 2842
plant height, rice 2842
plant pests, soyabeans 5065
potassium, Indian mustard 3822
proteinases
Echinochloa crus-galli 1534
rice 1534

Thiobencarb *cont.*
residues
drinking water 3661
fishes 3224
rice 3224
river water 3661, 3682
rivers 2752
soil 1104, 2752, 3224, 4938
water 2752, 3224, 4457
resistance, *Echinochloa crus-galli* 2024
ribonucleases
Echinochloa crus-galli 4117
rice 4117
roots
Echinochloa crus-galli 2782
rice 2782
seed germination
Echinochloa crus-galli 1534
Vigna radiata 653
seeds
Echinochloa crus-galli 1534
rice 1534
shoot apices, *Echinochloa crus-galli* 2782
shoots, *Echinochloa crus-galli* 2782
soil
Actinomycetales 4938
bacteria 4938
fungi 4938
persistence 3224
runoff 2752
soil flora 1104, 4938
soil types 5054
soil water
Echinochloa crus-galli 2782
rice 2782
starch
Echinochloa crus-galli 1534
rice 1534
stomata
Echinochloa crus-galli 1534
rice 1534
sugars
Echinochloa crus-galli 1534
rice 1534
sugarcane 2883
survival, *Vigna radiata* 653
tolerance, rice 2842
toxicity
fishes 3224
nontarget organisms 3224
rats 1062
transpiration
Echinochloa crus-galli 1534
rice 1534
water
aquatic organisms 3224
degradation 3661
fishes 3224
persistence 3224
pH 4860
photolysis 4860
yield components
groundnuts 4232
rice 4184
Vigna radiata 653
yields
Eleusine coracana 5043
groundnuts 4232
rice 1200, 2023, 2025, 2027-2029, 2441, 2843, 3292, 3294, 3296, 3784, 3786-3788, 4184, 4630-4631
soyabeans 758, 5065
sugarcane 2883
Vigna radiata 653, 3292
Thiocarbamate herbicides, plant breeding, tolerance 666
Thiocyanate, sodium- 388
Thlaspi
biology
anatomy 915
classification 915
enzymes 4351
genetic variation 915
morphology 915
phylogeny 915
ribulose-bisphosphate carboxylase 4351
taxonomy 4351

Thlaspi arvense
biology
cytochrome P-450 523
development 896
digestibility 1179
energy content 1179
evolution 896
flowering 896
gene expression 523, 1112
leaves 896
metabolism 1112
nucleotide sequences 523
plant growth regulators 1112
plant height 896
proteins 1179
temperature 1112
vernalization 1112
Bromus inermis, Canada 2456
control
chemical control 269, 277, 1929, 2416, 2456, 2793, 2797
cultural control 269, 277, 2416
physical control 269, 277, 2416
ecology, temperature 896
herbicides
application date 209, 1929, 2797, 4104
application rates 209, 1929, 2797, 4104
emergence 209, 2793
flowering 209
growth rate 209
light 2793
population density 2416
rain 2797
seed germination 209, 2793
seed production 209, 1530, 1929, 4104
seed size 1929
seed weight 1530
hosts, beneficial insects 556
lentils, USA 2797
seeds
plant growth regulators 444
seed dormancy 896
seed germination 209, 444, 896
seed production 209
stimulants 444
stratification 444
utilization
fodder crops 1179
oilseed plants 4598
weed control, population density 2416
wheat, USA 2797
Thlaspi caerulescens
ecology
composition 1771
heavy metals 1771
metal tolerance 1771
nutrient uptake 1771
UK 1771
Threonine, 4-chloro- 3192
Thuja occidentalis
control
chemical control 4693
physical control 4693
herbicides, susceptibility 4693
Thuja plicata
Gaultheria shallon
Canada 5134
fertilizers 5134
growth rate 5134
leaf area index 5134
plant competition 5134
plant height 5134
Tilia cordata
Viscum album
host parasite relationships 2119
xylem 2119
Tobacco (*Nicotiana tabacum* and *N. rustica*)
Acroptilon repens, hosts of plant diseases 566
Amaranthus retroflexus, Italy 1590
Ammi majus
economics 2081
light 2081
mineral nutrition 2081
plant competition 2081
water relations 2081
Centaurea diffusa, hosts of plant diseases 566

Tobacco *cont.*
Centaurea maculosa, hosts of plant diseases 566
Chamomilla recutita
economics 2081
light 2081
mineral nutrition 2081
plant competition 2081
water relations 2081
Cuba 1774
Cuscuta
economics 2081
growth rate 2081
host parasite relationships 2081
nutrient availability 2081
Cuscuta japonica
China 3433
host parasite relationships 3433
Euphorbia esula, hosts of plant diseases 566
Greece 4078, 5103
herbicides
alkaloids 3689
application rates 207, 1136, 2513
binding sites 1529
bioassays 1487
carotenoids 2375
cell culture 673, 2375
cell growth 1529
chlorophyll 673, 3196, 4956
composition 2514
cytochrome P-450 1133
damage 207, 1133, 1487
degradation 200, 1133, 1136, 1487, 1514, 4956
electron transfer 3692
enzymes 673, 1136, 2375, 2790, 2932, 3196, 4113
etioplasts 4113
gene expression 2790
glutathione reductase (NAD(P)H) 3196
growth rate 207, 2514, 4105
isomerases 2375
leaves 4956
light 673, 4113
membrane permeability 3196
membranes 4113
microtubules 1529
mitochondria 4113
mode of action 1529, 2790, 4113
mutants 3692
peroxidases 673, 4113
pH 4113
phenolic compounds 3689
plant diseases 2513, 3812
polymerization 1529
proteins 3692
protoplasts 2513
protoporphyrin 4113
residual effects 5103
surfactants 4105
thylakoids 3692
tissue culture 1514, 4105
tolerance 200, 207, 673, 1136, 2375, 2932, 3196, 3199, 3689, 4105, 4553, 4956
transferases 2375
translocation 1514
tubulin 1529
uptake 1514
yields 2514, 5103
India 3361
Orobanche
cell walls 2950
economics 2081
growth rate 2081
host parasite relationships 2081, 2944, 2950
nutrient availability 2081
penetration 2950
proteins 2950
Orobanche aegyptiaca
economics 2933
host parasite relationships 2933, 2948
root exudates 2948
seed germination 2948
Orobanche cernua
abscission 2890
economics 2933
growth rate 2890

Tobacco *cont.*
Orobanche cernua cont.
host parasite relationships 2801, 2890, 2933, 5159
India 2890, 5159
invasion 2890
leaves 2890
quality 2890
resistance 2890
water relations 2890
yields 2890
Orobanche crenata
host parasite relationships 2948
root exudates 2948
seed germination 2948
Orobanche cumana
host parasite relationships 2877, 2981
variety trials 2981
Orobanche mutelii
Bulgaria 2891
host parasite relationships 2891, 2944
Orobanche ramosa
Bulgaria 2891
economics 2933
host parasite relationships 2891, 2933, 2944, 2981
variety trials 2981
Poaceae
economics 2081
light 2081
mineral nutrition 2081
plant competition 2081
water relations 2081
Polygonum aviculare, Italy 1590
Sinapis arvensis
economics 2081
light 2081
mineral nutrition 2081
plant competition 2081
water relations 2081
Solanum nigrum
economics 2081
Italy 1590
light 2081
mineral nutrition 2081
plant competition 2081
water relations 2081
Solanum viarum, hosts of plant diseases 2275
Sorghum halepense, Greece 2514
weed control
quality 797
yields 797
weeds
control 1233
physical control 797
plant competition 1774
Togo
weeds
Chromolaena odorata 979, 3952
distribution 3952
invasion 979
Striga gesnerioides 5161
surveys 3952
Tomatoes (*Lycopersicon esculentum* and *L. pimpinellifolium*)
Acroptilon repens, hosts of plant diseases 566
Ageratum conyzoides, hosts of plant pests 4846
algae
biological control 862
chemical control 862
Amaranthus blitoides, nutrient uptake 2195
Amaranthus retroflexus
allelopathy 4385
Italy 1590
nutrient availability 4385
nutrient uptake 2195
seed germination 4385
USA 4659
Belarus 2461
Centaurea diffusa, hosts of plant diseases 566
Centaurea maculosa, hosts of plant diseases 566
Chenopodium album
allelopathy 485, 1400
growth rate 485, 1400
nutrient uptake 2195

Tomatoes *cont.*
Chenopodium album cont.
plant competition 3918
seed germination 485, 1400
Chenopodium murale
allelopathy 4385
nutrient availability 4385
seed germination 4385
Datura ferox, nutrient uptake 2195
Euphorbia esula, hosts of plant diseases 566
herbicides
application date 1183
application methods 4658
application rates 207
bioassays 2052, 4970
callus 2343
carotenoids 2375
cell culture 2375
chlorophyll 2375, 2765, 3221, 3545
composition 2791
cotyledons 2375
cuticle 2800
damage 207, 1183, 2052, 2839
degradation 2771
economics 703, 4604
environmental impact 2807, 3597
enzymes 2375, 2932
epinasty 2765
fruits 2800
glutamate synthase 2932
growth rate 207, 2765, 2839
isomerases 2375
light 3221
membrane permeability 3221, 3545
morphology 2839
organogenesis 2343
pigments 2791
plant growth regulators 2343, 2765
plasma membranes 3221
quality 703
regeneration 2343
residual effects 2052, 2839
residues 3127
selectivity 2771
sphingolipids 3221
surfactants 2800
susceptibility 2375, 3545
tissue culture 2343
tolerance 207, 2343, 2461, 2771, 2932, 3221
transferases 2375
translocation 2771
uptake 2771, 2800
variety trials 2343
waxes 2800
yields 3332, 4604, 4659
India 4604
Kazakhstan 2461
Korea Republic 2839
Kyrgyzstan 2461
Lactuca floridana
hosts of plant diseases 4434
USA 4434
Latvia 2461
Moldova 2461
Nicandra physalodes, hosts of plant pests 4846
Orobanche
host parasite relationships 2956
plant growth regulators 2956
roots 2956
Orobanche aegyptiaca
development 2867
economics 2933
host parasite relationships 2867, 2932-2933, 2948
Israel 2867
resistance 2932
root exudates 2948
seed germination 2948
translocation 2932
Orobanche cernua
economics 2933
host parasite relationships 2933
Orobanche crenata
host parasite relationships 2948
root exudates 2948
seed germination 2948
Orobanche cumana, host parasite relationships 2877

Tomatoes *cont.*
Orobanche ramosa
economics 2933
fertilizers 2866
growth rate 2931
host parasite relationships 2866, 2931, 2933
resistance 2931
roots 2931
Turkey 2866
yields 2931
Pluchea lanceolata, allelopathy 1399
Poland 720
Polygonum aviculare, Italy 1590
Portulaca oleracea, hosts of plant diseases 1010
Ranunculus sardous
hosts of plant diseases 4434
USA 4434
Romania 3332
Russia 2461
rye
as weeds
population density 4659
yields 4659
Salvia pratensis, hosts of plant diseases 1010
Senecio vulgaris, plant competition 3918
Setaria faberi, USA 4659
Solanum nigrum
hosts of plant diseases 1010
Italy 1590
nutrient uptake 2195
Solanum ptycanthum
Canada 3936
emergence 3936
growth rate 3936
leaf area 3936
leaves 3936
plant competition 3936
population density 3936
yields 3936
Solanum viarum, hosts of plant diseases 2275
Sonchus asper
hosts of plant diseases 4434
USA 4434
Stellaria media, hosts of plant diseases 1010
Tajikistan 2461
Turkmenistan 2461
Ukraine 2461
USA 316, 2409
Uzbekistan 2461
Venezuela 2865
weed control
economics 4604
environmental impact 3597
yields 4604, 4659
weeds
biological control 862
chemical control 721, 862, 2409-2410, 2491, 3338, 4153
control 1588, 2807
hosts of plant pests 4846
plant competition 720
soil water 720
Trachelospermum asiaticum, herbicides, damage 5123
Trails
Caryophyllaceae, plant communities 2661
Fabaceae, plant communities 2661
Mimosa bahamensis
distribution 3845
invasion 3845
occurrence 3845
Tralkoxydim
acetyl-CoA carboxylase 1943
adjuvants
barley 2810
wheat 2810
antagonism 3232
application date, *Panicum schinzii* 4311
application rates, wheat 2298, 3683
binding sites 1943, 3232
bioassays, oats 1165
cell membranes 3232
chemistry, structure 1943, 3232
control
Alopecurus myosuroides, wheat 2807
Anagallis arvensis, wheat 735
Tralkoxydim *cont.*
control *cont.*
Avena fatua
barley 2810
cereals 2810
wheat 2810
Avena sterilis subsp. *ludoviciana,* wheat 735
Chenopodium album
barley 2810
cereals 2810
wheat 735, 2810
Fallopia convolvulus
barley 2810
cereals 2810
wheat 2810
Galinsoga parviflora
barley 2810
cereals 2810
wheat 2810
Lathyrus aphaca, wheat 735
Lolium multiflorum, wheat 2807
Panicum schinzii 4311
weeds, wheat 4172
damage, oats 1165
enzymes 1943
growth rate
oats 1165
wheat 3683
interactions
adjuvants 1165, 2810
carriers 1560
fungicides 4976
herbicides 2807, 2810, 3232, 4172
ions 1560
salts 1560
surfactants 1165
mode of action 3232
nutrient uptake, wheat 3683
residues
seeds 4474
soil 612, 2298, 4474
straw 4474
water 612
wheat 2298, 4474
resistance, *Lolium rigidum* 983
seed germination, wheat 3683
soil
persistence 612, 2298
photolysis 612
volatilization 612
tillering, wheat 735
uptake 4976
water
persistence 612
photolysis 612
volatilization 612
yields
barley 2810
wheat 735, 2810, 4172
Trapa natans
biology
abscission 1305
fruits 1305
growth rate 1305
leaf area 1305
leaf duration 1305
leaves 1305
nitrogen 1305
nutrients 1305
petioles 1305
control, physical control 1315
ecology
nutrient availability 1305
plant competition 1305
lakes, Italy 4300
seeds
seed banks 1315
seed dormancy 4300
seed germination 4300
storage 4300
temperature 4300
viability 4300
water reservoirs, USA 1315
Trapex (*see* Methyl isothiocyanate)
Tree fruits 4842
Asteraceae
pH 2227
soil types 2227
surveys 2227
Germany 4660
Tree fruits *cont.*
herbicides
application rates 2406, 4660
economics 4660
exposure 4997
labour requirements 4660
weed control
economics 4660
labour requirements 4660
weeds
chemical control 721, 1969, 4660
control 5184
disturbed land 3504
hosts of plant pests 4842
physical control 4987
population dynamics 3504
weed associations 4842
Tri-allate
adjuvants, *Bromus sterilis* 1729
application date, *Bromus sterilis* 1729
application methods
Bromus sterilis 1729
wheat 1993
application rates
Avena fatua 54
wheat 1993
control
Avena fatua
barley 54
sugarbeet 1655
Bromus sterilis 1159, 1729
Bromus tectorum, wheat 2458
weeds, sugarbeet 1655
cross resistance, *Avena fatua* 54, 1806
degradation
peas 1944
potatoes 1944
development, wheat 1993
emergence, wheat 1993
fatty acids
peas 1944
potatoes 1944
growth rate, *Avena fatua* 54
interactions, adjuvants 1729
lipids
peas 1944
potatoes 1944
residues
atmosphere 137, 4472
rain 137
sediment 3135
soil 587, 3135
water 3135
zooplankton 3135
resistance, *Avena fatua* 54, 1806
soil
Nematoda 587
soil water 1159
soil water, *Bromus sterilis* 1159, 1729
temperature, *Bromus sterilis* 1729
toxicity
aquatic organisms 3135
ecosystems 3135
Nematoda 587
zooplankton 3135
water, salinity 3135
yields, wheat 1993
Triadimefon 737
Trianthema monogyna (*see Trianthema portulacastrum)*
Trianthema portulacastrum
aubergines
control 2053
India 2053
nutrient uptake 2053
control
chemical control 2045, 3278, 3355, 4232. 5040
cultural control 3278
integrated control 3278, 3355
physical control 3278, 3355, 4232, 5040
cotton
hosts of plant pests 99
India 99
ecology
nutrient uptake 4797
plant competition 4797
temperature 4797
herbicides, nutrient uptake 5040
hosts, insects 99

Trianthema portulacastrum *cont.*
Pennisetum glaucum
control 4797
nutrient uptake 4797
plant competition 4797
Phaseolus aconitifolia
hosts of plant pests 99
India 99
soyabeans
hosts of plant pests 99
India 99
Vigna mungo
hosts of plant pests 99
India 99
Vigna radiata, India 2045
watermelons
hosts of plant pests 99
India 99
weed control, nutrient uptake 5040
Triasulfuron
analytical methods
ELISA 3131
gas liquid chromatography 1868
immunoassay 1462
mass spectrometry 1868
nuclear magnetic resonance 1868
application methods, wheat 2419
cell growth, algae 4945
control
Bromus tectorum, wheat 2419
Orobanche cernua, sunflowers 1643
Pteridium aquilinum, grasslands 5056
Stellaria media
barley 2257
wheat 2257
weeds
cereals 5018
wheat 5103
cross resistance, *Stellaria media* 3965
cytochrome P-450, wheat 1125
damage
almonds 3818
sunflowers 1643
degradation, wheat 1125
enzymes
Stellaria media 3965
wheat 1125
growth rate
algae 4945
Lemna minor 3436
wheat 2419
interactions, herbicides 4533
membranes, algae 4945
mode of action, *Stellaria media* 3965
nutrient uptake
algae 3436
cyanobacteria 3436
pH, algae 4945
plant breeding
genetic transformation 2786
tolerance 2786
registration, Canada 3436
reproduction, algae 4945
residual effects
rape 4674
sugarbeet 4674
tobacco 5103
residues
soil 1868, 3131, 3168, 3818, 4533, 4674, 5103
water 1868
wheat 1868
resistance
Lolium rigidum 983, 1130
Stellaria media 3965
soil
fungi 4533
irrigation 3168
movement 3168, 3645
soil types 3168
soil water 3168
sorption 3168, 3645
susceptibility, *Stellaria media* 3965
tolerance, flax 2786
toxicity
algae 4945
aquatic organisms 3436
ecosystems 3436
fungi 4533
uptake, algae 4945
variety trials, cereals 5018
Triasulfuron *cont.*
yields
sunflowers 1643
tobacco 5103
wheat 2419
Triazine herbicides
analytical methods
ELISA 134, 1871-1872, 4468
extraction 3123, 4459
fluorescence 2727
gas chromatography 3123, 4459, 4868
immunoassay 146, 1870, 1873, 2727
thin layer chromatography 2305
application
environmental impact 869
surfactants 1872
bioassays
algae 4453
Echinochloa crus-galli 1542
spinach 1542
cell growth, algae 4453
chemistry
degradation 3550
new products 1538, 4453
oxidation 3550
photolysis 1031
structure 4486
structure activity relationships 1538, 1542, 3552
synthesis 1030, 3552, 4453
chlorophyll, algae 4453
chloroplasts
Setaria faberi 2361
Setaria pumila 2361
Setaria viridis 2361
cross resistance, *Amaranthus hybridus* 3076
economics
maize 869
sorghum 869
electron transfer
cyanobacteria 1538
spinach 1542
formulations 1872
growth rate, *Echinochloa crus-galli* 1542
interactions, fertilizers 1872
legislation, USA 869
mutants, cyanobacteria 1538
photosynthesis, cyanobacteria 1538
photosystem II, spinach 1542
plant breeding, tolerance 666
residues
atmosphere 1882
drinking water 2305, 3123
groundwater 869, 1870
marine environment 1468
milk 146
river water 4033, 4468
sea water 1048
soil 1055, 1082, 1883
surface water 869
tap water 3123, 4868
wastes 134
water 1055, 1468, 1871, 2305, 3550
resistance 1809
Amaranthus 663
Amaranthus albus 1937, 1940
Amaranthus blitoides 1937, 1940
Amaranthus hybridus 1937, 1940
Amaranthus retroflexus 1937, 1940
Brachypodium distachyon 1418
Chenopodium 663
Chenopodium album 55, 1320
Conyza canadensis 2219
cyanobacteria 1538
Datura stramonium 3404
Echinochloa crus-galli 2219
Epilobium ciliatum 2219
Kochia scoparia 2434
Senecio vulgaris 3854
Setaria faberi 2361
Setaria pumila 2361
Setaria viridis 2361
Solanum nigrum 1320, 1671
roots, *Echinochloa crus-galli* 1542
soil
Actinomycetales 1055
Cyanobacteria 1055
leaching 1082
persistence 1082
Triazine herbicides *cont.*
soil *cont.*
photolysis 1082
sorption 1082
volatilization 1082
thylakoids
cyanobacteria 1538
spinach 1542
tolerance, rape 663, 942
toxicity
Actinomycetales 1055
aquatic plants 869
Cyanobacteria 1055
man 869, 4486
rats 1899
water
Cyanobacteria 1055
degradation 3550
Triazine, 2-methylthio-4-tert-butylamino-6-cyclopropylamino-s- 1468
Triazines, 3,5-diaryl-1,2,4- 3552
Triazole, 3-amino-1,2,4- 3122
Triazole, γ-keto- 3199
Triazolidine-dithiones 3693
Triazolidine-3,5-dithiones, 4-aryl-1,2-tetramethylene-1,2,4- 3693
Tribenuron
analytical methods
extraction 4011
gas liquid chromatography 1868
mass spectrometry 1868
nuclear magnetic resonance 1868
antagonism
Lamium hybridum 3711
Stellaria media 3711
Veronica persica 3711
application
climate 1157
humidity 1157
light 1157
temperature 1157
application date 209
Chamomilla recutita 1929
Fallopia convolvulus 1929, 4104
Galium spurium 1929, 4104
Oxalis pes-caprae 4171
Thlaspi arvense 1929, 4104
triticale 4177
application methods, barley 4621
application rates 209
barley 733, 4621
buckwheat 2453
Chamomilla recutita 1929
Fallopia convolvulus 1929, 4104
Galium spurium 1929, 4104
Lamium hybridum 3711
lentils 2453
Oxalis pes-caprae 4171
peas 2453
rape 2453
Stellaria media 3711
sunflowers 2453
Thlaspi arvense 1929, 4104
Veronica persica 3711
wheat 733
bulbs, *Oxalis pes-caprae* 4171
cell growth, algae 4945
chemistry, chemical properties 622
control
Avena fatua 3700
Avena sterilis subsp. *ludoviciana,* wheat 3263
Chamomilla recutita, barley 1929
Chenopodium album
barley 733, 4621
wheat 733, 3263
Fallopia convolvulus, barley 1929, 4621
Fumaria officinalis
barley 733
wheat 733
Galium spurium, barley 1929
Lamium
barley 733
wheat 733
Lathyrus aphaca, wheat 3263
Matricaria
barley 733
wheat 733
Melilotus indica, wheat 3263

Tribenuron *cont.*
control *cont.*
Oxalis pes-caprae
fallow 4171
wheat 4171
Phalaris minor, wheat 3263
Polygonum aviculare, barley 4621
Ranunculus acris 861
rape, as weeds 1571
Sinapis alba 1571
Stellaria media 1571
barley 733
wheat 733
Thlaspi arvense, barley 1929
Urtica urens, barley 4621
Vicia sativa, wheat 3263
Viola arvensis
barley 733
wheat 733
weeds 1933
Limnanthes alba 4234
olives 2500
triticale 4177
wheat 2814
cross resistance
Ranunculus acris 861
Stellaria media 3965
damage
buckwheat 2453
lentils 2453
Limnanthes alba 4234
peas 2453
rape 2453
sunflowers 2453
triticale 4177
drift
buckwheat 2453
lentils 2453
peas 2453
rape 2453
sunflowers 2453
enzymes, *Stellaria media* 3965
growth rate 1933
algae 4945
Lamium hybridum 3711
Stellaria media 3711
Veronica persica 3711
interactions
herbicides 3711, 4177
safeners 2814
surfactants 1571
leaves, triticale 4177
membranes, algae 4945
mode of action, *Stellaria media* 3965
pH, algae 4945
population density, *Oxalis pes-caprae* 4171
properties, physical properties 622
rain
rape, as weeds 1571
Sinapis alba 1571
Stellaria media 1571
reproduction, algae 4945
residues
soil 622, 1097, 1868
soil water 1097
water 1868, 4011
wheat 1868
resistance
Ranunculus acris 861
Stellaria media 3965
roots, *Oxalis pes-caprae* 4171
safeners, wheat 2814
seed germination 1933
lentils 2453
peas 2453
rape 2453
seed oils
rape 2453
sunflowers 2453
seed production 209, 1933
Chamomilla recutita 1929
Chenopodium album 4621
Fallopia convolvulus 1929, 4104, 4621
Galium spurium 1929, 4104
Polygonum aviculare 4621
Thlaspi arvense 1929, 4104
Urtica urens 4621
seed size 209
Chamomilla recutita 1929

Tribenuron *cont.*
seed size *cont.*
Fallopia convolvulus 1929
Galium spurium 1929
Thlaspi arvense 1929
seed weight
buckwheat 2453
lentils 2453
peas 2453
rape 2453
sunflowers 2453
soil
leaching 1097
movement 1097
organic matter 622, 1097
pH 622, 1097
soil types 622, 1097
sorption 622, 1097
surfactants
rape, as weeds 1571
Sinapis alba 1571
Stellaria media 1571
susceptibility, *Stellaria media* 3965
synergism
Lamium hybridum 3711
Stellaria media 3711
Veronica persica 3711
tolerance
buckwheat 2453
lentils 2453
Limnanthes alba 4234
peas 2453
rape 2453
sunflowers 2453
toxicity, algae 4945
uptake, algae 4945
viability 1933
yields
barley 733
buckwheat 2453
lentils 2453
peas 2453
rape 2453
sunflowers 2453
triticale 4177
wheat 733, 3263
Tribulus
sorghum
population dynamics 1795
surveys 1795
Tribulus cistoides
biology
anatomy 2194
nomenclature 2194
taxonomy 2194
ecology, distribution 2188
Tribulus terrestris
biology
composition 3415
saponins 3415
control, biological control 2455
cotton
hosts of plant pests 99
India 99
plant competition 4806
surveys 4806
yields 4806
hosts, insects 99
lucerne
plant competition 4806
surveys 4806
yields 4806
maize
plant competition 4806
surveys 4806
yields 4806
Phaseolus aconitifolia
hosts of plant pests 99
India 99
sorghum
plant competition 4806
surveys 4806
yields 4806
soyabeans
hosts of plant pests 99
India 99
toxicity, sheep 387, 3415
USA 387
vegetables
plant competition 4806
surveys 4806

Tribulus terrestris *cont.*
vegetables *cont.*
yields 4806
Vigna mungo
hosts of plant pests 99
India 99
watermelons
hosts of plant pests 99
India 99
wheat
plant competition 4806
surveys 4806
yields 4806
Trichodesma indicum
control
chemical control 3799
physical control 3799
herbicides, population dynamics 3799
weed control, population dynamics 3799
Triclopyr
analytical methods
ELISA 1877
extraction 112, 1453
gas chromatography 3128
liquid chromatography 112
application
application rates 4051
containers 4137
application date
Carpinus caroliniana 820, 5137
Carya 820
Carya texana 5137
Carya tomentosa 5137
Cornus florida 820, 5137
forests 3388
Liquidambar styraciflua 820, 5137
Nyssa sylvatica 820, 5137
Ostrya virginiana 820, 5137
Pinus echinata 5118
Pseudotsuga menziesii 2520
Quercus stellata 820, 5137
Quercus velutina 820, 5137
rights of way 3388
roadsides 3388
Rosa multiflora 4706
Ulmus alata 820, 5137
application methods, *Pseudotsuga menziesii* 810, 2520
application rates
Acacia longifolia 4712
Acer pensylvanicum 800
Acer saccharum 800
Acer spicatum 800
apples 1220
Betula alleghaniensis 800
Corylus cornuta 800
Fagus grandifolia 800
Fraxinus americana 800
Paraserianthes lophantha 4712
peaches 1220
Sambucus pubens 800
birds, Pinopsida 3369
carriers
Carpinus caroliniana 820, 5137
Carya 820
Carya texana 5137
Carya tomentosa 5137
Cornus florida 820, 5137
Liquidambar styraciflua 820, 5137
Nyssa sylvatica 820, 5137
Ostrya virginiana 820, 5137
Quercus stellata 820, 5137
Quercus velutina 820, 5137
Ulmus alata 820, 5137
control
Acacia longifolia 4712
Acer macrophyllum, Pseudotsuga menziesii 2520
Acer pensylvanicum, forests 800
Acer saccharum, forests 800
Acer spicatum, forests 800
Alnus rubra, Pseudotsuga menziesii 810
Artemisia frigida
Agropyron cristatum 1617
Bromus inermis 1617
pastures 1617
rangelands 1617
Betula alleghaniensis, forests 800
Carpinus caroliniana 820, 5137
Carya 820

Triclopyr *cont.*
control *cont.*
Carya texana 5137
Carya tomentosa 5137
Chromolaena odorata 4711
Cornus florida 820, 5137
Corylus cornuta, forests 800
Cryptostegia grandiflora 2532
Elodea canadensis 1314
Eupatorium capillifolium 1725
Eupatorium trapezoideum 685
Fagus grandifolia, forests 800
Fraxinus americana, forests 800
Heteranthera dubia 1314
Heteranthera limosa, rice 752
Heteranthera reniformis, rice 752, 2436
Liquidambar styraciflua 820, 5128, 5137
Myriophyllum spicatum 1314
Najas guadalupensis 1314
Najas minor 1314
Nyssa sylvatica 820, 5137
Ostrya virginiana 820, 5137
Paraserianthes lophantha 4712
Pennisetum clandestinum
lawns and turf 3381
Lolium perenne 3381
Poa pratensis 3381
Polygonum perfoliatum
forests 3388
rights of way 3388
roadsides 3388
Potamogeton crispus 1314
Potamogeton nodosus 1314
Quercus stellata 820, 5137
Quercus velutina 820, 5137
Rosa multiflora 4706
Sambucus pubens, forests 800
Solanum viarum 5178
Striga hermonthica, sorghum 1606
Taraxacum officinale, Poa pratensis 3231
Trifolium repens, Poa pratensis 3231
Ulmus alata 820, 5137
weeds
forests 164
Limnanthes alba 4234
Pinopsida 3367-3370
woody weeds
Pinus echinata 5118
rangelands 4060
damage
apples 1220
Buchloe dactyloides 1615
Limnanthes alba 4234
oil palms 2063
peaches 1220
Pseudotsuga menziesii 810
degradation
Acer saccharum 4880
Eupatorium trapezoideum 685
economics
Cryptostegia grandiflora 2532
Pinus echinata 5118
Pseudotsuga menziesii 810
environmental impact
Pinopsida 3368, 3370
rice 3144
formulations, granules 3231
growth rate
apples 1220
Lemna minor 3436
Lolium perenne 3381
peaches 1220
Poa pratensis 3381
interactions
carriers 820, 3231
fertilizers 3231
herbicides 752, 4706, 4878, 5128
legislation, UK 3643
low volume spraying, *Pseudotsuga menziesii* 810
nontarget effects
algae 4913
amphibia 3370
aquatic organisms 4913
birds 3369
deer 3370
insects 3370
mammals 3368, 3370

Triclopyr *cont.*
nontarget effects *cont.*
mice 3368
Mollusca 3367
Mustela 3368
reptiles 3370
shrews 3368
Sorex 3368
Tamias 3368
voles 3368
nutrient uptake
algae 3436
cyanobacteria 3436
plant pests
Pinopsida 3367
rangelands 4060
population density, *Striga hermonthica* 1606
registration
Canada 3436
South Africa 4712
UK 3643
regrowth, *Eupatorium capillifolium* 1725
residues
Acer saccharum 4880
cereals 112
Citrus 3128
fruit crops 3128
groundwater 4878
lakes 4051
leafy vegetables 3128
plastics 4137
polyethylene 4137
root crops 3128
soil 1082, 1909, 3643, 4878
spice plants 3128
streams 4051, 4913
Vigna radiata 112
water 609, 1067, 1493, 1877, 4051, 4913
resistance
Heteranthera limosa 752
Heteranthera reniformis 752
seed banks, *Striga hermonthica* 1606
soil
degradation 3643
leaching 1082, 3643
mineralization 3643
movement 4878
organic matter 1909
persistence 1082, 4878
pH 1909
photolysis 1082, 3643
soil types 1909
sorption 1082, 1909, 3643
volatilization 1082
soil water, *Poa pratensis* 3231
stump sprays, *Pseudotsuga menziesii* 810
surfactants
Acer rubrum 5132
Eupatorium trapezoideum 685
Ulex europaeus 4255
temperature, *Eupatorium trapezoideum* 685
tolerance
apples 1220
Limnanthes alba 4234
peaches 1220
toxicity
aquatic insects 609, 1067
aquatic organisms 3436
ecosystems 3436
fishes 609, 4051
frogs 164
Mollusca 3367
translocation
Acer rubrum 5132
Eupatorium trapezoideum 685
Quercus falcata 193
Quercus nigra 193
tree injection, woody weeds 5118
uptake
Acer rubrum 5132
Eupatorium trapezoideum 685
Quercus falcata 193
Quercus nigra 193
Ulex europaeus 4255
water
aquatic insects 1067
aquatic organisms 4913
degradation 1493, 4913

Triclopyr *cont.*
water *cont.*
ozone 1493
persistence 4051
sorption 4913
water relations
Acer rubrum 5132
Quercus falcata 193
Quercus nigra 193
yields
Agropyron cristatum 1617
Bromus inermis 1617
sorghum 1606
Tridax procumbens
biology, identification 709
control 437
ecology
distribution 709, 3911
emergence 437
population density 3911
spread 6
seeds
buried seeds 437
seed dispersal 6, 437, 2600
seed germination 2600
seed morphology 2600
soil depth 437
storage 437
viability 437
sugarcane, surveys 4389
utilization, medicinal plants 709
Tridiphane, resistance, *Lolium rigidum* 983
Trietazine
analytical methods
extraction 4459
gas chromatography 4459
Trifluralin
analytical methods
gas chromatography 1033
nuclear magnetic resonance 1033, 4872
application
containers 4137, 4588
environmental impact 4588
application date
cereals 3753
Pimpinella anisum 4702
sugarcane 789, 5095
sunflowers 2061
wheat 143, 3629, 3753
application methods, sugarcane 789, 5095
application rates
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
cotton 4690
Echinacea purpurea 2098
Festuca 3378
Gaillardia aristata 2098
garlic 3333
Lolium perenne 3378
maize 3265
Poa pratensis 3378
Rudbeckia hirta 2098
soyabeans 3265
sugarcane 789
wheat 3265
band spraying, garlic 3333
bioassays, rye 1557
chemistry
degradation 2297
photolysis 2297, 4872
structure activity relationships 3967
chlorophyll
algae 660
soyabeans 4960
chromosome number, rape 4954
control
Abutilon theophrasti, maize 1557
Alopecurus aequalis var. *amurensis* 2585
Amaranthus hybridus
broccoli 3334
cabbages 3334
cauliflowers 3334
Chinese cabbages 3334
Amaranthus powellii, sunflowers 2061
Amaranthus retroflexus, tomatoes 4659
Ambrosia artemisiifolia, sunflowers 2061

Trifluralin *cont.*
control *cont.*
Anagallis arvensis, Pimpinella anisum 4702
Beckmannia syzigachne 2585
Bromus tectorum, wheat 2458
Calystegia sepium 3451
Cassia occidentalis, soyabeans 5066
cereals, as weeds, rape 2498
Chenopodium album, Pimpinella anisum 4702
Cyperus iria
Gardenia jasminoides 5123
Juniperus 5123
Liriope 5123
Rhododendron 5123
Trachelospermum asiaticum 5123
Digitaria ischaemum
Festuca 3378
Lolium perenne 3378
Poa pratensis 3378
Digitaria sanguinalis
Gardenia jasminoides 5123
Juniperus 5123
Liriope 5123
Rhododendron 5123
Trachelospermum asiaticum 5123
Echinochloa crus-galli, sunflowers 2061
Euphorbia maculata
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Gardenia jasminoides 5123
Juniperus 5123
Liriope 5123
Rhododendron 5123
Rudbeckia hirta 2098
Trachelospermum asiaticum 5123
Galium aparine, rape 2498
Ipomoea, cotton 3830
Lolium perenne 1619
Lolium rigidum, oats 3768
Melilotus indica, Pimpinella anisum 4702
Mollugo verticillata
Gardenia jasminoides 5123
Juniperus 5123
Liriope 5123
Rhododendron 5123
Trachelospermum asiaticum 5123
Oxalis stricta
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
Gaillardia aristata 2098
Rudbeckia hirta 2098
Papaver, rape 2498
Phalaris canariensis, Pimpinella anisum 4702
Phyllanthus
Gardenia jasminoides 5123
Juniperus 5123
Liriope 5123
Rhododendron 5123
Trachelospermum asiaticum 5123
Poaceae, rape 2498
Polygonum aviculare, Pimpinella anisum 4702
Rottboellia cochinchinensis, sugarcane 789
Sclerochloa kengiana, wheat 1596
Setaria faberi, tomatoes 4659
Setaria pumila, maize 1557
Setaria viridis, Phaseolus vulgaris 310
Sinapis arvensis, rape 2498
Stellaria media, rape 2498
weeds 2716
broccoli 2489, 3334, 5068
cabbages 3334
cauliflowers 3334
cereals 3753
chicory 5083
Chinese cabbages 3334
Coriandrum sativum 295
cotton 1660, 3830, 4690
cucumbers 5068
Gardenia jasminoides 1129
garlic 3333

Trifluralin *cont.*
control *cont.*
weeds *cont.*
groundnuts 2762, 2881
Limnanthes alba 4234
maize 3265
Phaseolus vulgaris 310, 5068
pigeon peas 2762
Pimpinella anisum 4702
rape 2498, 4230
Rhododendron obtusum 1129
soyabeans 3265, 4207
sugarcane 5095
sunflowers 2061, 2762, 3819
tomatoes 3338, 4659
wheat 3265, 3753
cross resistance
Alopecurus myosuroides 3967
Setaria viridis 1806
cuttings
Gardenia jasminoides 1129
Rhododendron obtusum 1129
damage
almonds 3818
broccoli 3334
cabbages 3334
cauliflowers 3334
Chinese cabbages 3334
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
cotton 1080, 1660, 5106
Echinacea purpurea 2098
flax 2475
Gaillardia aristata 2098
Gardenia jasminoides 5123
Juniperus 5123
lawns and turf 1242
lentils 2475
Limnanthes alba 4234
Liriope 5123
Lupinus albus 2462
Phaseolus vulgaris 310
Pimpinella anisum 4702
Rhododendron 5123
Rudbeckia hirta 2098
rye 1557
sugarcane 789
Trachelospermum asiaticum 5123
Vicia villosa 1080
wheat 1080
degradation
Alopecurus myosuroides 3967
carrots 1033
economics
broccoli 2489
Phaseolus vulgaris 310
energy relations
maize 3265
soyabeans 3265
wheat 3265
fluorescence, algae 660
formulations
controlled release 3704
emulsifiable concentrates 3704
emulsions 1557
growth rate
algae 660
Calystegia sepium 3451
Coriandrum sativum 295
Gardenia jasminoides 1129
Rhododendron obtusum 1129
sunflowers 2061
interactions
herbicides 1660, 2061, 3753, 4207, 5106, 5123
insecticides 5106
polymers 4859
surfactants 4859
leaves, soyabeans 4960
nitrogen, soyabeans 4960
nitrogen fixation, soyabeans 4960
nutrient content, soyabeans 4960
photosynthesis, algae 660
plant height
sugarcane 5095
sunflowers 2061
plant pests
peas 4090
turnip rape 3329
population density
flax 2475

Trifluralin *cont.*
population density *cont.*
lentils 2475
properties, adsorption 4859
quality, groundnuts 1647
reproduction, algae 660
residual effects 4912
broccoli 5068
cotton 1080
cucumbers 5068
Phaseolus vulgaris 5068
spinach 5068
Vicia villosa 1080
wheat 1080
residues
atmosphere 2297, 3579, 4472
carrots 1033
fence posts 4588
groundwater 3140
lakes 582
plastics 4588
polyethylene 4588
rain 3579
sediment 3135
soil 582, 1080, 1082, 2730, 2762, 3135, 3334, 3629, 3704, 3818, 4505, 4515, 4875, 4912, 4918
soil water 3629, 3704
surface water 3583, 3629
waste water 660
water 582, 3135
wheat 143
zooplankton 3135
resistance 1660
Alopecurus myosuroides 3967
Eleusine indica 2684
Lolium rigidum 2684
Setaria viridis 1806, 2684
rooting
Gardenia jasminoides 1129
Rhododendron obtusum 1129
roots 1660
Gardenia jasminoides 1129
Rhododendron obtusum 1129
seed production
lentils 2475
Lolium perenne 1619
seed weight, *Lupinus albus* 2462
selectivity
sunflowers 2061
sweet potatoes 4652
soil
degradation 2730, 4505
leaching 1082, 3704, 4515
microorganisms 2762
movement 3629
Nematoda 4090
organic matter 3334
persistence 1080, 1082, 4515, 4912
photolysis 1082
respiration 2762
runoff 582
soil types 1080, 4505, 4918
soil water 4918
sorption 1082, 4918
volatilization 1082, 4505
susceptibility
Alopecurus aequalis var. *amurensis* 2585
Beckmannia syzigachne 2585
tolerance
Chrysanthemum superbum 2098
Coreopsis lanceolata 2098
Echinacea purpurea 2098
flax 2475
Gaillardia aristata 2098
lentils 2475
Limnanthes alba 4234
Lupinus albus 2462
Rudbeckia hirta 2098
Valeriana officinalis 4250
toxicity
algae 660
allergens 2738
aquatic organisms 3135
ecosystems 3135
fishes 1069
fungi 1074, 4061
man 2738, 3154
mutagens 4885
Nematoda 3329

Trifluralin *cont.*
toxicity *cont.*
Protozoa 3154
rats 3154
shallots 4885
zooplankton 3135
translocation
Lolium rigidum 2684
soyabeans 4960
uptake 3704
Lolium rigidum 2684
maize 3704
variety trials, groundnuts 1647
water
movement 3583
salinity 3135
yield components, kenaf 1237
yields
broccoli 2489, 3334, 5068
cabbages 3334
cauliflowers 3334
chicory 5083
Chinese cabbages 3334
cotton 1080, 3830, 5106
cucumbers 5068
flax 2475
garlic 3333
groundnuts 1647
lentils 2475
Lolium perenne 1619
Lupinus albus 2462
maize 3265
Phaseolus vulgaris 310, 5068
soyabeans 3265
spinach 5068
sugarcane 5095
sunflowers 2061
tomatoes 4659
wheat 3265
Triflusulfuron
application date, sugarbeet 5098
application rates, sugarbeet 2740, 3774
chemistry, chemical properties 3774
control
Abutilon theophrasti, sugarbeet 2069
Amaranthus retroflexus, sugarbeet 2069, 2509, 5098
Ammi majus, sugarbeet 2069
Chenopodium, sugarbeet 2069
Chenopodium album, sugarbeet 2509, 5098
Convolvulus arvensis, sugarbeet 2069
Cuscuta campestris, sugarbeet 2069
Kochia scoparia, sugarbeet 2509, 5098
Polygonum aviculare, sugarbeet 2069
Polygonum latifolium, sugarbeet 2069
Polygonum persicaria, sugarbeet 2069
Solanum nigrum, sugarbeet 2069
Solanum sarrachoides, sugarbeet 2509, 5098
weeds, sugarbeet 2078, 2740, 3774, 5098
damage, sugarbeet 2509
formulations, carriers 2509
interactions, herbicides 2069, 5098
properties, physical properties 3774
residues, sugarbeet 3774
soil, microbial degradation 2740
toxicity 3774
rats 2740
Trifolium
Abutilon theophrasti, USA 2602
Belgium 5017
control, chemical control 4197
Elymus repens, Germany 1996
Japan 5064
Poland 4615
Setaria viridis, USA 2602
Trifolium alexandrinum
Chenopodium album, hosts of plant pests 3106
Cuscuta planiflora, host parasite relationships 2857
hemp, as weeds, hosts of plant pests 3106
herbicides, damage 2857
India 3106
Orobanche crenata
host parasite relationships 2855, 2857
Trifolium alexandrinum *cont.*
Orobanche crenata cont.
root exudates 2855
seed banks 761
seed germination 2855
Ricinus communis, hosts of plant pests 3106
Rumex aspara, hosts of plant pests 3106
Xanthium strumarium, hosts of plant pests 3106
Trifolium balansae
weeds
allelopathy 3498
growth rate 3498
nodulation 3498
plant pathogens 3498
root hairs 3498
roots 3498
seed germination 3498
Trifolium fragiferum
control
chemical control 727, 4233
cultural control 727
physical control 727, 4233
Trifolium hybridum
Hieracium pilosella
growth rate 37
plant competition 37
Hieracium praealtum
growth rate 37
plant competition 37
Trifolium incarnatum
Canada 5021
Chenopodium album, USA 2829
herbicides
application date 757
seed production 757
pecans
growth rate 4793
plant competition 4793
USA 757, 3309
Trifolium medium
Hieracium pilosella
growth rate 37
plant competition 37
Hieracium praealtum
growth rate 37
plant competition 37
Trifolium pratense
biology, pollen 4599
Canada 2454, 2846, 5035, 5082
Carduus nutans
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
control, chemical control 3047, 4752
ecology, nickel 4599
Festuca arundinacea, USA 2032
herbicides
adjuvants 4752
application methods 2846
damage 1622, 2454
establishment 2846
plant height 1622
residual effects 2454
yields 1622, 2454
Medicago lupulina, hosts of plant diseases 4849
Orobanche minor
host parasite relationships 2935, 2970
population density 2970
root exudates 2935
seed germination 2935
pecans
growth rate 4793
plant competition 4793
Poland 300, 5031, 5059
Senecio jacobaea
allelopathy 2113
growth stages 2113
USA 1622, 3047
utilization, indicator plants 4599
weeds
allelopathy 3498
growth rate 3498
invasion 3053
nodulation 3498
Trifolium pratense *cont.*
weeds *cont.*
plant competition 1622
plant pathogens 3498
root hairs 3498
roots 3498
seed germination 3498
Trifolium repens
barley
fertilizers 481
plant competition 481
population density 481
yields 481
biology
carbon pathways 508
growth rate 508
photosynthesis 508
roots 508
transpiration 508
water relations 508
Canada 2845
Carduus nutans
acetylene 1786
allelopathy 1786
composition 1786
emergence 3053
flowering 1786
flowers 3053
growth rate 1786
invasion 3053
life history 3053
New Zealand 1786, 3053
nitrogen fixation 1786
nodulation 1786
plant competition 1786, 3053
survival 3053
Cirsium arvense, New Zealand 5060
control
chemical control 356, 2460, 3231, 3842
cultural control 4
physical control 4, 2460
Czech Republic 1623
France 5086
herbicides
application methods 2845
composition 2791
damage 1623
decomposition 639
establishment 2845
pigments 2791
species diversity 4195
yields 1205
Hieracium pilosella
growth rate 37
plant competition 37
Hieracium praealtum
growth rate 37
plant competition 37
Japan 4639
lawns and turf
population density 3842
surveys 2236-2237, 3842
New Zealand 4, 639, 4195
Orobanche minor
composition 1277
host parasite relationships 1277
Poa pratensis, USA 3231
Poa trivialis
disturbed land 1205
nutrient availability 1205
plant communities 1205
population dynamics 1205
Poland 300
Rhinanthus alectorolophus
host parasite relationships 2988
Switzerland 2988
Rumex obtusifolius
disturbed land 1205
nutrient availability 1205
plant communities 1205
population dynamics 1205
seeds
buried seeds 4, 1337
seed size 1337
soil depth 4
soil types 1337
viability 4
Senecio jacobaea
allelopathy 2113
growth stages 2113

Trifolium repens *cont.*
sports grounds, surveys 2236-2237
USA 3339, 5122
weeds
allelopathy 3498
growth rate 3498
invasion 3053
nodulation 3498
plant competition 3339
plant pathogens 3498
root hairs 3498
roots 3498
seed germination 3498
Trifolium subterraneum
Australia 304, 1209
Carduus nutans
emergence 3053
flowers 3053
invasion 3053
life history 3053
New Zealand 3053
plant competition 3053
survival 3053
herbicides
application rates 4500
bioassays 4500
damage 304, 1209
growth rate 4500
plant diseases 304
seed production 1209
yields 1209
Senecio jacobaea
allelopathy 2113
growth stages 2113
weeds
allelopathy 3498
growth rate 3498
invasion 3053
nodulation 3498
plant pathogens 3498
root hairs 3498
roots 3498
seed germination 3498
Trigonella
control, chemical control 3842
lawns and turf
population density 3842
surveys 3842
Trigonella foenum-graecum (*see* Fenugreek)
Trinidad and Tobago
maize, *Rottboellia cochinchinensis* 945
rice 1200
Hymenachne amplexicaulis 1198
weed control
biological control 2713
Chromolaena odorata 2713
conferences 875
fungi 2713
weeds
conferences 875
identification 2156
nomenclature 2156
rice 492
Tripleurospermum inodorum (*see Matricaria perforata)*
Tripleurospermum maritimum (*see Matricaria perforata)*
Trisetum flavescens
Poa trivialis
disturbed land 1205
nutrient availability 1205
plant communities 1205
population dynamics 1205
Rumex obtusifolius
disturbed land 1205
nutrient availability 1205
plant communities 1205
population dynamics 1205
Tristerix aphyllus
biology
chlorophyll 3859
nutrient uptake 3859
stomata 3859
ecology, host parasite relationships 3859
Triticale (*Triticum* × *Secale*)
Amaranthus retroflexus, Canada 1624
Apera spica-venti, Germany 3262
Calendula arvensis, plant competition 41
Canada 1887
Centaurea diluta, plant competition 41
Chenopodium album, Canada 1624
Triticale *cont.*
Galium aparine, Germany 3262
herbicides
adjuvants 4162
application date 4162
application rates 144, 4177, 4610, 4952
cysteine 4560
damage 4162, 4177
degradation 2308, 4560
economics 1984, 5032
energy relations 5029-5030
enzymes 4560
glutathione 4560
growth rate 4952
leaf area 4952
leaves 4177, 4952
residues 144, 1887
safeners 3262, 4560, 4610
susceptibility 2308, 4952
tolerance 2308, 4162, 4560
transferases 4560
variety trials 1320, 2308, 4952
yields 2423, 4177, 5029-5030, 5032-5033
Morocco 41, 4177
New Zealand 4162
Papaver rhoeas, plant competition 41
Poland 725, 2423, 3769, 4609, 5029-5033
Vaccaria hispanica, plant competition 41
weed control
economics 3262, 5032
tillering 3262
yields 3262, 3769, 5031-5033
weeds
chemical control 3769, 5033
control 4623
Triticum aestivum (*see* Wheat)
Triticum durum (*see* Wheat)
Triticum* × *Secale (*see* Triticale)
Trophy 2401
Tropics
herbicide residues
soil 4910
water 4910
herbicides
environmental impact 4881, 5014
formulations 5014
manufacture 5014
marketing 5014
packaging 5014
toxicity 4881, 5014
weed control
bananas 249
biological control 3992
microorganisms 3992
mulching 249
weeds
aquatic weeds 3434
feeds 3434
weed utilization 3434
yields 5014
Tsuga canadensis
herbicides
birds 1906
environmental impact 1906
Rubus, Canada 1906
Tsuga heterophylla
Gaultheria shallon
Canada 5134
fertilizers 5134
growth rate 5134
leaf area index 5134
plant competition 5134
plant height 5134
Tunisia
weed control
Orobanche crenata 2858
Orobanche foetida 2858
weeds
Orobanche crenata 2858
Orobanche foetida 2858
Turf (*see* Lawns and turf)
Turkey
Acroptilon repens 3023
Alopecurus myosuroides 1745
grasslands 4636
herbicides
environmental impact 5006
usage 5006
Turkey *cont.*
sunflowers, *Orobanche cumana* 2876
tomatoes, *Orobanche ramosa* 2866
weeds 104
aquatic weeds 1699
lakes 1699
lawns and turf 3842
pastures 4838
Pimpinella anisum 4702
surveys 1699, 3842, 4838
Turkmenistan
flora 3478-3480
lucerne 2461
potatoes 2461
soyabeans 2461
tomatoes 2461
weed control
erosion 236
tillage 236
weeds
Asteraceae 3478
Boraginaceae 3478
Brassicaceae 3478
carbon pathways 489
Chenopodiaceae 3478
deserts 489
Fabaceae 3478
Poaceae 3478
taxonomy 3478
Turmeric (*Curcuma longa*)
India 3383
weeds
chemical control 3383
control 1246
physical control 3383
Turnera ulmifolia
biology
chloroplasts 2274
composition 3966
DNA 2274
genetic variation 3966
genetics 2274
hybridization 2274
ecology
altitude 3966
distribution 3966
Turnip rape (*Brassica campestris* var. *oleifera*)
Finland 3329
herbicides, plant pests 3329
Turnips (*Brassica campestris* var. *rapa*)
herbicides
adenosinetriphosphatase 2370
bioassays 577, 4067
enzymes 2370
mitochondria 2370
mode of action 2370
oxygen 2370
residual effects 577
seed germination 577
tolerance 577
yield components 768
yields 768
weed control
yield components 768
yields 768
weeds
chemical control 2410
control 1588
Tussilago farfara
biology
development 3519
dry matter distribution 3519
growth rate 3505, 3519
morphology 3506
rhizomes 3519
vegetative propagation 3505-3506, 3519
control, physical control 3506
ecology
colonizing ability 3519
disturbed land 3505-3506, 3519
habitats 3519
plant competition 3506
population density 3506
population dynamics 3505-3506
regenerative ability 3505-3506
spatial distribution 3505
spread 3505, 3519
survival 3519
fallow, Poland 3506

Tussilago farfara *cont.*
gardens, Poland 3519
hosts
fungi 2703
insects 825
Netherlands 2703
Poland 3505
seeds, seed germination 3519
UK 2703
weed control
morphology 3506
population density 3506
Typha
biology, transpiration 3867
control, chemical control 1903
ecology
colonizing ability 417
plant communities 417
plant competition 3444
herbicides
adjuvants 4575
retention 4575
surfactants 4575
synergism 4575
uptake 4575
lakes, Canada 3867
marshes, Canada 3867
utilization, feeds 3434
wetlands, USA 1903
Typha angustifolia
biology
anatomy 4292
biomass 2573
energy content 2573
gas exchange 4292-4293
leaves 4293
light 4292
relative humidity 4292
rhizomes 4292-4293
stomata 4292
temperature 4292
transpiration 4292
ecology
algae 3870
distribution 2573, 4293
flooding 3870, 4293
habitats 4293
nutrient uptake 1302
hosts, algae 3870
Typha domingensis
biology
light 855
methane production 855
stomata 855
ecology
diurnal activity 855
drought 1301
fire effects 1301
light 855
nutrient availability 1301
population density 1301
spread 1301
USA 855, 1301
Typha glauca, ecology, nutrient uptake 1302
Typha latifolia
biology
anatomy 4292
biomass 2573
energy content 2573
gas exchange 4292-4293
leaves 4293
light 855, 4292
methane production 855
relative humidity 4292
rhizomes 4292-4293
stomata 855, 4292
temperature 4292
transpiration 4292
ecology
algae 3870
distribution 2573, 4293, 4296
diurnal activity 855
eutrophication 4296
flooding 3870, 4293
habitats 4293
invasion 4296
light 855
spread 4296
herbicides, environmental impact 3610
hosts, algae 3870
rivers, Russia 4296

Typha latifolia *cont.*
USA 855
utilization, waste water treatment 5169
U46M Fluid 4158
UCC-C4243 2793
Uganda
weeds
Asteraceae 2607
Convolvulaceae 2607
UK
apples 318
Arabidopsis thaliana 1377
Arrhenatherum elatius 906
Bromus sterilis 959
barley 264, 267, 273, 329, 3953, 4313
Alopecurus myosuroides 280
Avena 280
Avena fatua 2383
Poaceae 280
black currants 318
Bromus sterilis 1159
Brussels sprouts 315
cabbages 315, 4219
cauliflowers 4219
cereals 264-266, 3630, 3953, 4312-4313
Cirsium arvense 4611
Galium aparine 4611
potatoes, as weeds 4611, 5101
Chenopodium quinoa, Chenopodium album 295
cherries, *Lolium perenne* 344
Citrus 4671
Coriandrum sativum 295
Crataegus laevigata, Clematis vitalba 1238
ditch banks 965
Phragmites australis 1313
Sparganium erectum 1313
ditches 965
Phragmites australis 1313
Sparganium erectum 1313
drainage channels
Phragmites australis 1313
Sparganium erectum 1313
fallow 964, 967-968, 971, 4801
Festuca 1250
flax, barley, as weeds 3934
grasslands 971, 4970
Agrostis capillaris 4799
Chamerion angustifolium 4799
Cirsium vulgare 1409
Ranunculus repens 3958
heathlands 4413
Pteridium aquilinum 1249
hedges 963, 965, 969-970, 4970
Bromus sterilis 959, 3926
herbicide residues
aquifers 3593
atrazine 4071
conferences 430, 3890
databases 172
drinking water 3589
environmental impact 172
foods 3724
groundwater 3593
isoproturon 4071
legislation 246, 3649, 3724
marine environment 1468
MCPA 4071
movement 3653
salt marshes 1465
sea water 1471
sediment 1465
simazine 4071
soil 3653
surveys 1468
water 3586-3587, 3724
herbicides
application
legislation 4755
marketing 4755
reports 4755
safety 4755
toxicity 4755
usage 4755
application rates 248, 694
birds 3145
companies 4326
conferences 430, 1324
crops 1738
databases 172

UK *cont.*
herbicides *cont.*
economics 1984
education 4326
environmental impact 151, 172, 3145
faba beans 1984
forests 335, 1738
herbicide resistant weeds 3525
horticultural crops 1738
information 4326
insects 3145
lawns and turf 2236-2237
legislation 242, 694, 2521, 3643, 3649, 3724
linseed 1984
man 4485
potatoes 1984
rape 1984
registration 2521, 3643, 5002
reports 1729, 4755
research 4326
safety 1738, 4883
sports grounds 2236-2237
storage 3724
sugarbeet 332, 1984, 3826
surveys 2236-2237
toxicity 4485
triticale 1984
usage 1738, 1984, 4883
value added tax 1175
waterways 1738
wheat 1984
wildlife 3145
hops 318
lawns and turf 2236-2237
Lolium perenne 968
Matricaria perforata 4402
onions 315
ornamental plants 318
pastures, *Juncus effusus* 4633
Phaseolus 267
Phaseolus vulgaris
potatoes, as weeds 309
rape, as weeds 309
Pinopsida 318
Plantago lanceolata 2683
Poaceae 12, 1250
Bromus sterilis 959
potatoes 92
Pteridium aquilinum 379, 2537
rape 42, 267, 2498
Sonchus asper 1750
Stellaria media 1750
raspberries 204, 318
roads 965
roadsides 965
rape, as weeds 4383
Senecio vulgaris 2112
sports grounds 2236-2237
strawberries 318
sugarbeet 226, 329
potatoes, as weeds 5101
Thlaspi caerulescens 1771
Tussilago farfara 2703
Urtica 12
Urtica dioica 94
weed control
algae 1316
Avena 3750
barley straw 1316
cereals 3750
companies 4326
conferences 1324, 1731, 4324, 4757, 4759
cyanobacteria 1316
education 4326
environmental impact 151
forests 338
information 4326
integrated control 4324, 5088
lawns and turf 2521
Picea sitchensis 354
Pinopsida 5114
planting stock 338
Poa annua 2521
ponds 1316
research 694, 1316, 4326
strawberries 5088
sugarbeet 332, 5099

UK *cont.*
weeds
Alopecurus myosuroides 1807, 3078, 3967
Bromus 1404
Bromus sterilis 3075
cereals 1404
chemotaxonomy 2702
chromosome number 3396
Cirsium vulgare 1802
composition 1748
conferences 430, 1731, 3024, 4757
cyanides 1748
distribution 3024, 3396
domestic gardens 2674
Equisetum 2702
glycosides 1748
grasslands 4391
Hedera 3024
herbicide resistant weeds 1807, 3078, 3525, 3967
Hypericum 3024
Impatiens glandulifera 3473
introduction 2670, 2674-2675, 3024
invasion 3024
Juncus effusus 4391
lawns and turf 2236-2237
Matricaria perforata 1759
Mimulus 3024
nature conservation 3407
nomenclature 881
phenols 1748
Potamogeton lucens 3874
Potamogeton natans 3874
Potamogeton nodosus 3874
protein 1748
Pteridium aquilinum 3406-3407
rape 3060
registration 2670
seeds 1748
sports grounds 2236-2237
spread 2670, 2674
sugarbeet 2070
surveys 1404, 2236-2237, 4391
Symphytum 3024
taxonomy 3406
Ulex europaeus 2101
Ulex gallii 3396
wheat 3060
wheat 92, 267, 272-273, 968, 971, 3629, 4160, 4313
Alopecurus myosuroides 280
Avena 280
Avena fatua 944, 2383
Galium aparine 275
Poaceae 280
wild flowers 971, 1250
Ukraine
barley 1994
fodder beet 3707
herbicides
soyabeans 3827
sugarbeet 3827
lucerne 2461
maize 2010, 3707, 3777
Amaranthus 1603
Echinochloa crus-galli 1603
Solanum nigrum 1603
onions 3809
peas 1656
potatoes 2461, 3258
soyabeans 2461, 3313
sugarbeet 637, 1654, 1656-1657, 1968, 1994, 3238, 3707
sunflowers 1657
tomatoes 2461
weeds
cereals 3508
nectar plants 5008
population density 3508
yields 3508
wheat 1656, 1994, 3258
Ulex europaeus
biology
chromosome number 2101
ploidy 2101
control, biological control 4254, 4705
herbicides
surfactants 4255
uptake 4255
hosts, fungi 4254
Ulex gallii
biology, chromosome number 3396
ecology, distribution 3396
Ulmus
control, chemical control 821
forests, plant competition 821
herbicides
application date 821
economics 821
tree injection 821
Ulmus alata
control
chemical control 352, 820, 5137
cultural control 352
integrated control 352
herbicides
application date 820, 5137
carriers 820, 5137
Pinus taeda
growth rate 352
plant competition 352
USA 5137
Ulmus americana
control, chemical control 4707
herbicides
aerial application 4707
application methods 4707
Ulmus pumila
control
chemical control 4693
physical control 4693
herbicides, susceptibility 4693
weed control, erosion 236
Umbelliferae (*see* Apiaceae)
Umbilicus, urban areas, plant communities 2614
Uniconazole 1503
Upper Volta (*see* Burkina Faso)
Urban areas
Ambrosia artemisiifolia
disturbed land 2668
introduction 2668
invasion 2668
plant communities 2668
plant competition 2668
spread 2668
Artemisia annua
disturbed land 2668
introduction 2668
invasion 2668
plant communities 2668
plant competition 2668
spread 2668
Artemisia verlotiorum
disturbed land 2668
introduction 2668
invasion 2668
plant communities 2668
plant competition 2668
spread 2668
Bromus, plant communities 2614
Capparis, plant communities 2614
Crepis, plant communities 2614
Duchesnea indica, spread 2631
Erysimum, plant communities 2614
Inula viscosa
establishment 2612
spread 2612
temperature 2612
Lobularia maritima
establishment 2612
spread 2612
temperature 2612
Matthiola, plant communities 2614
Parietaria, plant communities 2614
Reynoutria japonica
disturbed land 2668
introduction 2668
invasion 2668
plant communities 2668
plant competition 2668
spread 2668
Silybum marianum
establishment 2612
spread 2612
temperature 2612
Sonchus, plant communities 2614
Taraxacum, plant communities 2614
Umbilicus, plant communities 2614
weeds
Artemisia 2679
Urban areas *cont.*
weeds *cont.*
biology 2617
Bromus 2679
Capparis 2679
distribution 2608, 2616
disturbed land 2668
establishment 2612
habitats 2609, 2611
human activity 2609
introduction 2608, 2635, 2668
invasion 2668
Lamarckia 2679
Nicotiana 2679
occurrence 2613, 2619
origin 2635
plant communities 2614, 2668, 2679
plant competition 2609, 2668
pollen analysis 2617-2618
reproduction 2609
species diversity 2608, 2611, 2614-2616
spread 2612, 2668
temperature 2612
vegetative propagation 2609
Urea, 3-(4,6-dimethoxypyrimidin-2-yl)-1-(*N*-methyl-*N*-methylsulfonyl-aminosulfonyl)- 5078
Urea herbicides
adenosinetriphosphatase
potatoes 2370
turnips 2370
analytical methods
liquid chromatography 4465
mass spectrometry 4465
carotenoids
barley 4561
Catharanthus roseus 4561
cotton 4561
cress 4448, 4561
cyanobacteria 4561
soyabeans 4561
weeds 4561
chemistry
structure 4561
structure activity relationships 4448
chlorophyll
barley 4561
Catharanthus roseus 4561
cotton 4561
cress 4561
cyanobacteria 4561
soyabeans 4561
weeds 4561
control
Alopecurus myosuroides, wheat 1582
Galium, wheat 1582
weeds, wheat 1582
degradation, *Alopecurus myosuroides* 1807
economics, wheat 1582
enzymes
barley 4561
Catharanthus roseus 4561
cotton 4561
cress 4561
cyanobacteria 4561
potatoes 2370
soyabeans 4561
turnips 2370
weeds 4561
mitochondria
potatoes 2370
turnips 2370
mode of action
barley 4561
Catharanthus roseus 4561
cotton 4561
cress 4561
cyanobacteria 4561
potatoes 2370
soyabeans 4561
turnips 2370
weeds 4561
oxygen
potatoes 2370
turnips 2370
phytoene
barley 4561
Catharanthus roseus 4561
cotton 4561

Urea herbicides *cont.*
phytoene *cont.*
cress 4448, 4561
cyanobacteria 4561
soyabeans 4561
weeds 4561
resistance 1809
Alopecurus myosuroides 1807
Urea, N-methyl-N′-(1-methyl-1-phenylethyl)N-phenyl- 122
Urochloa panicoides
fallow
population dynamics 1795
surveys 1795
sorghum
population dynamics 1795
surveys 1795
Urtica
biology, pollen 12
control, chemical control 2406
ecology, weather 12
UK 12
Urtica dioica
biology
carbon pathways 508
cellulose 70
composition 70, 3734, 4831
dry matter 3921
enzymes 70
growth rate 508, 3921
hemicelluloses 70
magnesium 3091
nutrient content 1505, 3091
pectins 70
photosynthesis 508
plant growth regulators 1505
roots 508, 1505, 3734, 4831
sap 3091
sugars 70
transpiration 508, 1505
water relations 508
xylem 1505
control, cultural control 296
Cuscuta europaea
chlorophyll 2128
flowering 2128
growth rate 2128
host parasite relationships 2128
Lithuania 2128
Dactylis glomerata, Poland 296
ecology
colonizing ability 3921
fertilizers 4353
flooding 3921
invasion 971
nutrient availability 1505
nutrient uptake 1505
seasonal variation 3921
survival 3921
Festuca pratensis, Poland 296
hedges, occurrence 970
hosts, insects 94
Lolium multiflorum, Poland 296
meadows, Poland 296
oats, Poland 296
Phleum pratense, Poland 296
Poa annua, Poland 296
UK 94
utilization
fibre 70
medicinal plants 3734
weed control
development 4353
growth rate 4353
Urtica urens
control, chemical control 4621
herbicides, seed production 4621
sugarbeet, surveys 3511
Uruguay
water reservoirs, *Pistia stratiotes* 411
weeds
hosts of plant pests 3410
Solanum elaeagnifolium 3410
USA
cotton 5108
Cucurbita moschata 3339
Cytisus scoparius 819
flora 3025, 3036
herbicide residues
alachlor 1045
atrazine 1176
USA *cont.*
herbicide residues *cont.*
drinking water 141, 2304
foods 584, 3141
groundwater 141, 1045, 1886
lakes 4478
legislation 1035, 1972
soil 3609
surface water 141, 1045, 1176, 1886
wells 141
herbicides
aerial application 219
application rates 219, 248, 339, 696, 1176, 3584
atomizers 219
atrazine 1176
birds 3145
carcinogens 2311
companies 5187
conferences 4319
cotton 1235
2,4-D 2311
deposition 219
dicamba 1855
drift 219
droplet size 219
economics 239, 1176
environmental impact 219, 1054
exposure 4997
forests 219, 339
groundwater 140
imidazolinone herbicides 1817
lawns and turf 1082, 1119
legislation 239, 339, 696, 869, 1035, 1054, 1974, 2396-2397, 3244, 3726
low volume spraying 219
maize 2428
manufacture 1733
marketing 3245
nontarget effects 17, 3145
patents 3726
politics 239
rain 219
registration 1035, 1054, 1119, 2428, 4994, 4997
regulation 1733
research 712, 714-715, 1733, 2311, 3145
risk 239, 1054, 4997
sugarbeet 332
sulfonylurea herbicides 1817
surveys 219, 1235, 3251
temperature 219
toxicity 1974, 4997
usage 869, 1817, 1855, 1974
wildlife 3145
wind effects 219
Liquidambar styraciflua 5128
maize
Ambrosia artemisiifolia 3267
Coronilla varia 3268
meadows 401
Picea glauca 4369
Pinus resinosa 4369
Poa bulbosa 13
Reseda lutea 3472
Salix 401
Salvinia aethiopis 845
squashes 3339
Trifolium repens 3339
Vaccinium angustifolium 4925
weed control
Acroptilon 104
Alnus rubra 5111
aquatic weeds 2142
biological control 104, 377, 882, 1442, 2018, 2528, 3996, 4847, 5111
Centaurea 104, 106
Centaurea solstitialis 3996
chemical control 723
conferences 4319
cotton 1235
economics 705, 1975, 2429
Euphorbia esula 377
extension 238
forests 5111
Gutierrezia 2528
insects 4847
integrated control 4324
USA *cont.*
weed control *cont.*
lakes 2142
legislation 2396, 3244
Linaria dalmatica 1442
maize 1975, 2005, 2429
Orobanche minor 2969
Orobanche ramosa 2969
Pinopsida 5114
public health 705
reports 2586
research 712, 714-715
rice 2018
soyabeans 1975, 2429
Striga 4323
sugarbeet 332
weeds 1556
Astragalus mollissimus 2910
Atriplex canescens 1368
Avena fatua 1813
biological control 566
Buchloe dactyloides 2172
cereals 1813
Chenopodiaceae 2255
Cirsium arvense 1013
conferences 4319
Coreopsis 2691
deserts 1368
distribution 882, 2969
economics 705, 826
extension 238
Gaultheria shallon 1251
gene flow 17
genetic diversity 2639
genetic transformation 506
herbicide resistant weeds 4405
hosts of plant pests 566, 1013
Hydrilla verticillata 856
Hypericum perforatum 2116
introduction 4395
Kochia scoparia 4405
lawns and turf 914
legislation 2396, 4395
Lythrum salicaria 3444
Orobanche minor 2969
Orobanche ramosa 2934, 2969
Oxytropis sericea 2910
Perilla frutescens 3247
Pinus taeda 33
plant communities 3444
plant competition 33
poisonous weeds 826, 2910
public health 705
rangelands 566
research 712, 714-715
Setaria italica 2639
Setaria viridis 2639
surveys 3251
toxicity 826
weed utilization 3247
wildlife 3444
Alabama
Andropogon virginicus 45
cotton 3831
Conyza canadensis 4691
Cynodon dactylon × *C. transvaalensis, Cynodon dactylon* 358
Eremochloa ophiuroides, Cynodon dactylon 358
Ilex cornuta × *I. pernvi* × *I. latifolia*
Cassia obtusifolia 3376
Eleusine indica 3376
Oenothera laciniata 3376
Lagerstroemia fauriei × *L. indica*
Cassia obtusifolia 3376
Eleusine indica 3376
Oenothera laciniata 3376
Liquidambar styraciflua 45
ornamental plants
Cassia obtusifolia 3376
Eleusine indica 3376
Oenothera laciniata 3376
pecans 2060, 4793
Pinus, Aristida stricta 3042
Pinus taeda 33, 45, 350-351, 4245
Andropogon virginicus 939
Quercus virginiana
Cassia obtusifolia 3376
Eleusine indica 3376
Oenothera laciniata 3376
sand dunes, *Aristida stricta* 3042

USA *cont.*
Alabama *cont.*
Stenotaphrum secundatum, Cynodon dactylon 358
Vaccinium ashei 1222
Viburnum utile
Cassia obtusifolia 3376
Eleusine indica 3376
Oenothera laciniata 3376
weed control, *Pinus taeda* 354
weeds, groundnuts 786
wheat 3831
Zoysia japonica × *Z. tenuifolia, Cynodon dactylon* 358
Alaska
herbicides
application rates 1178
horticultural crops 1178
sustainability 1178
Hordeum jubatum 5177
Arizona
Plantago patagonica 35
Prosopis velutina 823
weeds
climate 1801
Nassella trichotoma 1801
Arkansas
Carpinus caroliniana 5137
Carya texana 5137
Carya tomentosa 5137
Convolvulus arvensis 2711
Cornus florida 5137
cotton 1080, 1612, 3830, 4180, 5104-5106, 5109
Euphorbia maculata 2206
cowpeas 2409
cucumbers 2409
Cynodon dactylon 2409, 3301
Digitaria sanguinalis 2163
forests 821
Gaillardia grandiflora 2409
grapes 2409
groundnuts 4180
herbicide residues
groundwater 3140
legislation 3140
Juglans nigra 341
kale 2409
Lespedeza bicolor 341
Lespedeza thunbergii 341
Liquidambar styraciflua 5137
maize 1612, 2409, 4180
melons 2409
Nyssa sylvatica 5137
okras 1219
ornamental woody plants 2409
Ostrya virginiana 5137
pecans 341
Phaseolus vulgaris 2409
Amaranthus hybridus 943
Digitaria sanguinalis 943
Pinus echinata 808
woody weeds 5118
Pinus taeda 808
woody weeds 5117
Quercus acutissima 341
Quercus nigra 341
Quercus nuttallii 341
Quercus pagoda 341
Quercus palustris 341
Quercus phellos 341
Quercus rubra 341
Quercus stellata 5137
Quercus velutina 5137
rice 1612-1613, 3144
Cyperaceae 1610
Echinochloa crus-galli 2024
Leptochloa fascicularis 40
Poaceae 1611
rice, as weeds 1610
Rudbeckia sorinata 2409
sorghum 1612
soyabeans 1612, 2320, 4180
Amaranthus palmeri 2204
Pharbitis hederacea 4372
Xanthium strumarium 4372
spinach 2409
squashes 2409
Stachys 2409
strawberries 2409
tomatoes 2409

USA *cont.*
Arkansas *cont.*
Ulmus alata 5137
Vaccinium corymbosum 1050
Vicia villosa 1080
weed control
expert systems 754
rice 754
weeds 820, 4753
wheat 1080
California
almonds 4663
apricots 4663
broccoli, *Lolium perenne* 2656
canals
Potamogeton gramineus 415
Potamogeton nodosus 415
Potamogeton pectinatus 415, 422
Capsicum annuum 1638
cotton 4689
Ipomoea 4688
Pharbitis hederacea 2516
Solanum nigrum 4688, 5107
Solanum sarrachoides 4688, 5107
golf courses, *Pennisetum clandestinum* 4404
grapes 1224
grasslands
Bromus diandrus 4804
Eschscholzia californica 4804
herbicide residues
Citrus 4475
groundwater 4475
legislation 4475
research 4475
simazine 3130
soil 3130, 4475
herbicides
application methods 4475
application rates 258, 1178
Citrus 4475
extension 2392
horticultural crops 1178
information 2392
legislation 1904
research 2392
sustainability 1178
toxicity 1904
wildlife 1904
irrigation channels, *Potamogeton pectinatus* 422
lawns and turf, *Pennisetum clandestinum* 3381
lemons 4672
Lolium perenne, Pennisetum clandestinum 3381
maize, *Sorghum halepense* 5037
oranges 4672
peaches 4663
Poa pratensis, Pennisetum clandestinum 3381
radishes, as weeds 3471
Senecio jacobaea 831
Spartina alterniflora 853
Tribulus terrestris 387
weed control
channels 4748
economics 258
extension 2392
fumigation 717
information 2392
low input agriculture 258
research 2392
rivers 4748
Scirpus acutus 4748
soil sterilization 717
weeds 2411
Avena barbata 2638
Brassica campestris 3041
climate 1801
Cyperus esculentus 984
establishment 1413
extension 2392
grasslands 1413
information 2392
Nassella trichotoma 1801
Potamogeton gramineus 3869
research 2392
Taeniatherum caput-medusae 3919
wheat 282

USA *cont.*
Colorado
Amaranthus retroflexus 60
Bouteloua gracilis 4634
Convolvulus arvensis 2711
Delphinium barbeyi 1261, 5147
grasslands
Aegilops cylindrica 5061
Bromus tectorum 5061
herbicides
application 3239
greenhouse crops 3239
herbicide resistant weeds 4405
Kochia scoparia 4405
safety 3239
training 3239
maize 178, 2432, 4368
pastures 4634
weed control, field crops 3743
weeds 858, 962
herbicide resistant weeds 4405
Kochia scoparia 4405
Connecticut
flora 4773
maize 4481
Delaware
weed control
power lines 3392
rights of way 3392
Florida
Cladium jamaicense 855, 1301
cowpeas, *Striga gesnerioides* 4278
Eupatorium capillifolium 1725
forests 337
groundnuts 2502, 3357
Cassia obtusifolia 4373
Desmodium tortuosum 3988, 4373
Euphorbia heterophylla 4373
herbicides
man 590
toxicity 590
lakes
aquatic weeds 423
Hydrilla verticillata 3441
Leptochloa fascicularis 3452
Leptochloa filiformis 3452
lettuces, *Amaranthus spinosus* 2207
Melaleuca quinquenervia 368
Panicum maximum 1573
Pinus, Aristida stricta 3042
Pinus elliottii 353
Pinus taeda 353
rivers
Egeria densa 3443
Eichhornia crassipes 3443
sand dunes, *Aristida stricta* 3042
Solanum viarum 2275
soyabeans 2320
Typha domingensis 855, 1301
Typha latifolia 855
weed control
aquatic weeds 3543, 3879
biological control 3109, 3543, 3879-3880, 4401, 5186
Eichhornia crassipes 3880
environmental impact 4401
integrated control 259
Pistia stratiotes 3880
vegetables 259
wetlands 3543
weeds
groundnuts 786
invasion 4401
Lantana camara 1677
Solanum viarum 1790
Georgia
Agrostis stolonifera 2094
Poa annua 3841
cotton 4686
Cassia obtusifolia 946
Cynodon dactylon 356, 812, 2362
Digitaria sanguinalis 357, 1241, 1245
Eleusine indica 357
Cynodon transvaalensis × *C. dactylon* 356, 3377
Digitaria sanguinalis 1245
Poa annua 2091
fallow 502
Festuca arundinacea 3377
Digitaria sanguinalis 1241, 2895

USA *cont.*
Georgia *cont.*
forests 1081
golf courses 356
groundnuts 1535, 1644, 1646, 2502-2503
Cassia obtusifolia 946
Cyperus esculentus 4679
Desmodium tortuosum 4679
Panicum texanum 4679
herbicide residues, conferences 4325
Lolium perenne 812
Poa annua 2091
maize 180
Cassia obtusifolia 946
Phaseolus vulgaris
Cyperus esculentus 2849
Mollugo verticillata 2849
Richardia scabra 2849
Pinus elliottii 353
Pinus taeda 353, 3371
Poa pratensis 356
Digitaria sanguinalis 2093
Eleusine indica 2093
rye 502
sorghum 502, 2435
soyabeans 2320
weeds 4582
Asclepias syriaca 4269
cotton 4393
distribution 4269
groundnuts 786
Solanum ptycanthum 986
spread 4269
surveys 4393
yields 4686
Zoysia 356
Hawaii
Cynodon dactylon, Sporobolus indicus 2522
flora 3040
herbicides
application rates 1178
horticultural crops 1178
sustainability 1178
weeds
distribution 3037-3040
fungi 2109
hosts of plant diseases 2109
identification 3037, 3040
nomenclature 3037
Rubus 2109
spread 3039-3040
surveys 3038
Idaho
Abies grandis
Pteridium aquilinum 4699
Rudbeckia occidentalis 4699
Abies lasiocarpa
Pteridium aquilinum 4699
Rudbeckia occidentalis 4699
barley, *Kochia scoparia* 2685
peas 4647
Picea engelmannii
Pteridium aquilinum 4699
Rudbeckia occidentalis 4699
Pinus contorta
Pteridium aquilinum 4699
Rudbeckia occidentalis 4699
potatoes 1630
Amaranthus retroflexus 3929
Chenopodium album 3929
Solanum sarrachoides 3929
rangelands 2455
Artemisia tridentata 2390
Bromus tectorum 2390
Poaceae 2222
Taeniatherum caput-medusae 2390
Senecio jacobaea 831
sugarbeet 5098
weeds
Gutierrezia sarothrae 3399
hosts of plant pests 2566
Lythrum salicaria 2566
Sonchus arvensis 3910
Sonchus asper 3910
Sonchus oleraceus 3910
Sonchus uliginosus 3910
Illinois
forests, *Geranium maculatum* 439

USA *cont.*
Illinois *cont.*
herbicide residues
drinking water 3584
industrial sites 4875
herbicides
cabbages 4656
conferences 428
lawns and turf, *Digitaria ischaemum* 3379
maize 308, 2008, 3234
Amaranthus retroflexus 2013
Polygonum pensylvanicum 2013
Setaria faberi 2013
marshes 3870
Poa pratensis 2097
Digitaria ischaemum 2096, 3379
Digitaria sanguinalis 2096
prairies, *Schizachyrium scoparium* 1770
rye, as weeds 4659
soyabeans 308
Abutilon theophrasti 3981
tomatoes
Amaranthus retroflexus 4659
Setaria faberi 4659
weed control, conferences 428
weeds 4707
wheat 308
Indiana
Ambrosia artemisiifolia 2170
Cynodon dactylon 4973
Dactylis glomerata 5122
Fraxinus pennsylvanica 5122
herbicide residues, drinking water 3584
Juglans nigra 5122
Quercus rubra 5122
rye, as weeds 4659
Setaria faberi 2170
tomatoes
Amaranthus retroflexus 4659
Setaria faberi 4659
Trifolium repens 5122
Iowa
Abutilon theophrasti 1000
Ambrosia trifida 3080
herbicide residues
drinking water 3584
reports 869
herbicides, reports 869
lawns and turf, *Digitaria ischaemum* 3379
maize 580, 3159
Apocynum cannabinum 285
Convolvulus arvensis 285
Teucrium canadense 285
Poa pratensis, Digitaria ischaemum 3379
potatoes 1631
soyabeans 1626, 2764, 3159
Apocynum cannabinum 285
Convolvulus arvensis 285
Teucrium canadense 285
strawberries 4225
weed control
sustainability 256
techniques 256
weeds
fens 2620
surveys 2620
Kansas
Agrostis stolonifera var. *palustris, Cyperus esculentus* 4700
Amaranthus palmeri 3523
Amaranthus rudis 3523
Apocynum cannabinum 3960
Asclepias syriaca 3960
Buchloe dactyloides 1615
Festuca arundinacea 5062
grasslands 4377
herbicide residues, drinking water 3584
lawns and turf, *Digitaria ischaemum* 3379
Lolium perenne, Cyperus esculentus 4700
maize 1098
Pinopsida 4693
Poa pratensis
Cyperus esculentus 4700

USA *cont.*
Kansas *cont.*
Poa pratensis cont.
Digitaria ischaemum 3379
sorghum 1192, 3780
soyabeans 3795
Spartina pectinata 3960
wheat 3780
Bromus tectorum 2419
Kentucky
broccoli, *Amaranthus hybridus* 3334
cabbages, *Amaranthus hybridus* 3334
Capsicum annuum 4527
cauliflowers, *Amaranthus hybridus* 3334
Chinese cabbages, *Amaranthus hybridus* 3334
herbicide residues, drinking water 3584
lawns and turf, *Digitaria ischaemum* 3379
Poa pratensis, Digitaria ischaemum 3379
rye, as weeds 4659
soyabeans 2320
tomatoes
Amaranthus retroflexus 4659
Setaria faberi 4659
Louisiana
cotton 5104-5105
herbicide residues, drinking water 3584
Pinus taeda 352, 807, 3372, 4245
rice, *Echinochloa crus-galli* 3784
soyabeans 2036, 4511
Echinochloa crus-galli 3312
Euphorbia heterophylla 2211
Rottboellia cochinchinensis 2202
Sorghum halepense 3312
sugarcane 2754, 4921, 5095
Cynodon dactylon 790
Rottboellia cochinchinensis 788-789
Sorghum halepense 1229, 4796
tomatoes
Lactuca floridana 4434
Ranunculus sardous 4434
Sonchus asper 4434
weed control, reports 865-866
Maine
forests 4063
maize, *Chenopodium album* 2829
Trifolium incarnatum, Chenopodium album 2829
Vaccinium angustifolium 4390
Manitoba
buckwheat 2453
lentils 2453
peas 2453
rape 2453
sunflowers 2453
Maryland
Abutilon theophrasti 1810
Agrostis stolonifera var. *palustris, Cyperus esculentus* 4700
Cirsium arvense 2706
Cynodon dactylon, Lolium perenne 1244
Festuca rubra, Digitaria ischaemum 4248
herbicide residues, drinking water 3584
Hydrilla verticillata 1308
Liquidambar styraciflua
Lonicera japonica 5131
Parthenocissus quinquefolia 5131
Lolium perenne, Cyperus esculentus 4700
maize 614, 3274, 4027
Poa pratensis
Cyperus esculentus 4700
Digitaria ischaemum 4248
Scirpus olneyi 1437
Spartina patens 1437
weed control
biological control 2709
conferences 3456
power lines 3392
rights of way 3392
wetlands
Distichlis spicata 1288

USA *cont.*
Maryland *cont.*
wetlands *cont.*
Scirpus olneyi 1288
Spartina patens 1288
Zoysia japonica, Lolium perenne 1244
Massachusetts
cranberries 1640
herbicides
conferences 3459
man 590
toxicity 590
Lonicera tatarica 1255
maize 4031
weed control
apples 2869
conferences 3459
integrated control 2869
weeds
conferences 3459
Utricularia inflata 1705
Utricularia radiata 1705
Michigan
forests 1081
herbicides
conferences 5182
safety 4984
training 4984
Impatiens capensis 3522
lucerne 3306
maize 289
Phaseolus vulgaris 4646
Amaranthus retroflexus 5071
Solanum ptycanthum 5071
soyabeans, *Ambrosia artemisiifolia* 2469
weed control
conferences 5182
integrated control 259
vegetables 259
weeds, conferences 5182
Minnesota
herbicide residues
drinking water 3584
river water 1884
herbicides
man 3150
sugarbeet 331
toxicity 3150
lawns and turf 2092
maize 289, 1776, 2753, 5012
Abutilon theophrasti 288
Amaranthus retroflexus 903, 1079
Chenopodium album 903
Polygonum pensylvanicum 288
Setaria 903
Setaria faberi 288
Setaria viridis 1079
Phaseolus vulgaris, Setaria viridis 310
Pinus resinosa, Poaceae 3048
potatoes 1089
Schizachyrium scoparium 552
soyabeans 1776, 2753, 5012
Abutilon theophrasti 4381
Amaranthus retroflexus 903
Chenopodium album 903
Setaria 903
weed control, field crops 3743
Mississippi
Cassia obtusifolia 2154
cotton 203, 1011, 5104-5105
Echinochloa crus-galli 1721
Eriochloa gracilis 1721
maize, *Sorghum halepense* 5036
okras 1219
Pinus, Aristida stricta 3042
Pinus taeda 4245
Populus deltoides 343
rice 4194
sand dunes, *Aristida stricta* 3042
Sorghum halepense 1721
soyabeans 2320, 4642
Cassia obtusifolia 2468, 2470-2471
Ipomoea lacunosa 2468, 2470-2471, 3796
Senna obtusifolia 3796
weeds
cotton 4409

USA *cont.*
Mississippi *cont.*
weeds *cont.*
fungi 544
herbicide resistant weeds 4409
hosts of plant diseases 544
Sorghum halepense 4409
Missouri
cotton 4686, 5104-5105
Festuca arundinacea, Festuca arundinacea 2032
grapes 2057
herbicide residues, drinking water 3584
maize
Datura stramonium 3404
Sorghum halepense 3270
sorghum, *Festuca arundinacea* 2032
sorghum × *Sorghum sudanense, Festuca arundinacea* 2032
soyabeans 2324
Festuca arundinacea 2032
Trifolium pratense, Festuca arundinacea 2032
weeds
conferences 1326
cotton 4392
surveys 4392
yields 4686
Montana
Centaurea maculosa 1441
fallow, *Kochia scoparia* 2171
weed control
biological control 3408
Euphorbia esula 3408
extension 3472
Reseda lutea 3472
weeds
extension 3472
Reseda lutea 3472
Nebraska
Andropogon gerardii 5055
Astragalus cicer 1622
barley 2824
Bouteloua gracilis 3792
Elymus hispidus 3792
Elymus smithii 3792
grasslands
Euphorbia esula 1616
Opuntia fragilis 1392
herbicide residues
drinking water 3584
groundwater 154
herbicides
man 154
toxicity 154
Lolium perenne, Digitaria sanguinalis 2894
Lotus corniculatus 1622
lucerne 1622
maize 2824, 4980
Abutilon theophrasti 2602
Setaria viridis 2602
Melilotus officinalis 1622
oats 2824
Abutilon theophrasti 2602
Setaria viridis 2602
Onobrychis viciifolia 1622
Panicum virgatum 3792
Psathyrostachys juncea 3792
Schizachyrium scoparium 3792
sorghum, *Kochia scoparia* 2434
soyabeans
Abutilon theophrasti 2602, 4643
Setaria viridis 2602
sugarbeet 2509
Trifolium
Abutilon theophrasti 2602
Setaria viridis 2602
Trifolium pratense 1622
weeds
maize 4397
soyabeans 4397
surveys 4397
wheat 2824, 4980
Nevada, *Artemisia tridentata* 1382
New England states of USA, weeds, distribution 2671
New Hampshire
bogs
Acer rubrum 5163

USA *cont.*
New Hampshire *cont.*
bogs *cont.*
Nymphaea odorata 5163
flora 5163
New Jersey
cranberries 1640
maize, *Solanum carolinense* 1599
peaches, *Amaranthus hybridus* 2660
New Mexico
cotton 4686
deserts, *Larrea tridentata* 1256
Larrea tridentata 364
national parks, *Dipsacus sylvestris* 3495
Tamarix chinensis 3397
weeds
Astragalus mollissimus 3855
cotton 4394
genetic variation 2903
grasslands 2899
Gutierrezia microcephala 2903
Gutierrezia sarothrae 2903, 3399
hosts of plant pests 3855
invasion 2899
Prosopis juliflora 2899
surveys 4394
yields 4686
New York
Agrostis stolonifera 3547
apples 5085
Calystegia sepium 3451
Cornus racemosa 4709
grapes, *Setaria faberi* 3345
herbicides
apples 680
deposition 680
Impatiens capensis 3975
maize 287
Plantago lanceolata 1432
Poa annua 3547
raspberries 4665
strawberries 4226, 4667
water reservoirs, *Trapa natans* 1315
weeds
cattle manure 5
identification 4347
Panicum capillare 4347
reproduction 3468
seed dispersal 5
surveys 977
Utricularia inflata 1705
Utricularia radiata 1705
Vincetoxicum nigrum 3468
North Carolina
Allium sphaerocephalon
Conyza canadensis 2896
Digitaria sanguinalis 2896
Euphorbia humistrata 2896
Amaranthus retroflexus 1570
Brachiaria platyphylla 1570
Canna
Conyza canadensis 2896
Digitaria sanguinalis 2896
Euphorbia humistrata 2896
cotton 1645
Crocosmia crocosmiiflora
Conyza canadensis 2896
Digitaria sanguinalis 2896
Euphorbia humistrata 2896
Digitaria sanguinalis 233
groundnuts 1645, 2880
Hemerocallis
Conyza canadensis 2896
Digitaria sanguinalis 2896
Euphorbia humistrata 2896
herbicides
legislation 4995
maize 4624
ornamental plants 4995
soyabeans 4624
Iris germanica
Conyza canadensis 2896
Digitaria sanguinalis 2896
Euphorbia humistrata 2896
lakes, *Hydrilla verticillata* 3439
Lilium
Conyza canadensis 2896
Digitaria sanguinalis 2896
Euphorbia humistrata 2896

USA *cont.*
North Carolina *cont.*
maize 741, 2009, 2388, 3309, 3499, 3775, 4625
marshes, *Phragmites australis* 3449
Narcissus
Conyza canadensis 2896
Digitaria sanguinalis 2896
Euphorbia humistrata 2896
nature reserves, *Phragmites australis* 3449
Ornithogalum umbellatum
Conyza canadensis 2896
Digitaria sanguinalis 2896
Euphorbia humistrata 2896
Orobanche crenata 2930
Paeonia
Conyza canadensis 2896
Digitaria sanguinalis 2896
Euphorbia humistrata 2896
Pinus, Aristida stricta 3042
Pinus taeda 349
Polygonum pensylvanicum 1570
rye 3499
sand dunes, *Aristida stricta* 3042
Silene alba 1438-1439
Sorghum halepense 233
soyabeans 2320, 3309
Striga asiatica 2930
Trifolium incarnatum 757, 3309
weed control
biological control 1019
Carduus nutans 1019
weeds 426, 4582
Asclepias syriaca 4269
distribution 4269
groundnuts 786
maize 4624
poisonous weeds 3409
Solanum ptycanthum 986
soyabeans 4624
spread 4269
wheat 3309
North Dakota
Cirsium arvense 2240
Euphorbia esula 384, 2909
grasslands, *Euphorbia esula* 1208, 2457
herbicides
herbicide resistant weeds 4405
Kochia scoparia 4405
sugarbeet 331
lakes
aquatic weeds 1306
Ceratophyllum demersum 1306
Myriophyllum spicatum 1306
lentils 5026
marshes 1302
Phaseolus vulgaris, Setaria viridis 310
Poa pratensis, Euphorbia esula 2457
prairies, *Euphorbia esula* 2457
weeds
herbicide resistant weeds 4405
Kochia scoparia 4405
wetlands, *Typha* 1903
wheat 5026
Ohio
Eleocharis parvula 500
forests 3031
herbicide residues, drinking water 3584
lawns and turf 3031
maize 101, 3031
Abutilon theophrasti 2657
oats, *Avena fatua* 2658
Poa pratensis
Digitaria ischaemum 2523
Taraxacum officinale 3231
Trifolium repens 3231
Rosa multiflora 4706
Sibara virginica 501
soyabeans
Ambrosia trifida 2655
Chenopodium album 4388
vegetables 3031
weeds, teaching 3031
wetlands, *Echinochloa crus-galli* 3871
wheat 2418

USA *cont.*
Oklahoma
cotton 31
Solanum elaeagnifolium 2086
kenaf 1662
rangelands, woody weeds 4060
soyabeans 2320
weed control, conferences 874
weeds
conferences 874
groundnuts 786
wheat 730
Bromus secalinus 3758
Lolium multiflorum 278
Oregon
buckwheat, *Cirsium arvense* 2644
Cardaria draba 1824
Festuca 3304
forests 1081, 1891
Rubus parviflorus 363
Rubus spectabilis 363
grasslands 3304
Lolium perenne 1618
herbicides
application rates 1178
economics 4647
forests 1890, 2090
horticultural crops 1178
labelling 1973
legislation 1904, 1973
lentils 4647
peas 4647
sustainability 1178
toxicity 1904
wildlife 1904
Lolium multiflorum 3077
Lolium perenne 1619
Pseudotsuga menziesii, Acer macrophyllum 2520, 5130
Rubus spectabilis 817
seed crops, *Lolium perenne* 1618
Senecio jacobaea 831, 1266
watersheds 1891
weed control
forests 1890, 2090
integrated control 255
weeds 1740
Avena barbata 2638
Avena fatua 985
climate 1801
herbicide resistant weeds 985
Nassella trichotoma 1801
Sonchus arvensis 3910
Sonchus asper 3910
Sonchus oleraceus 3910
Sonchus uliginosus 3910
wheat, *Bromus tectorum* 4375
Pacific northwest states of USA
weed control, *Centaurea solstitialis* 2249
weeds
Bromus tectorum 2244
invasion 2244
rangelands 2222
Pennsylvania
Abutilon theophrasti 1381, 4358
Ambrosia artemisiifolia 1346
Festuca, Digitaria ischaemum 3378
Festuca arundinacea 3185, 3194
forests
Celastrus orbiculatus 1253
Lonicera japonica 1253
Polygonum perfoliatum 3388
Rosa multiflora 1253
lawns and turf, *Digitaria ischaemum* 3379
Lolium perenne, Digitaria ischaemum 3378
lucerne 5063
maize 3047
Elymus repens 290
Panicum dichotomiflorum 2430
oats 5063
Poa pratensis, Digitaria ischaemum 3378-3379
railways 3391
rights of way, *Polygonum perfoliatum* 3388
roadsides 3389
Polygonum perfoliatum 3388
Trifolium pratense 3047

USA *cont.*
Pennsylvania *cont.*
Vicia villosa 3047
Panicum dichotomiflorum 2430
wheat 3047
Rhode Island
forests, *Dennstaedtia punctilobula* 2260
herbicide residues, soil 1863
South Carolina
Lonicera japonica 2105
Lonicera sempervirens 2105
Pinus taeda 4878
planting stock 142, 626, 2732
ponds 142
rivers, *Spartina alterniflora* 3866
soyabeans, *Cassia occidentalis* 5066
weeds
Amaranthus palmeri 4408
Asclepias syriaca 4269
cotton 4408
distribution 4269
Eleusine indica 4408
groundnuts 786
herbicide resistant weeds 4408
spread 4269
Xanthium strumarium 4408
South Dakota
lucerne, *Elymus repens* 1621
weed control
integrated control 2594
lucerne 2594
southern states of USA
weed control, forests 5110
weeds, forests 5110
southwestern states of USA
weeds
riparian vegetation 3397
spread 3397
streams 3397
Tennessee
cotton 234, 2336, 5104-5105
herbicides, conferences 5185
soyabeans 2320
tomatoes 316
Vicia villosa 2336
weed control, conferences 5185
weeds, conferences 5185
Texas
cotton 3677, 3832, 4690, 5104
Amaranthus palmeri 333
Kochia scoparia 333
fallow
Aegilops cylindrica 5127
Amaranthus palmeri 333
Bromus tectorum 5127
Conyza canadensis 5127
Kochia scoparia 333
groundnuts 1647
Amaranthus palmeri 325
Amaranthus spinosus 324
Panicum texanum 325
Gutierrezia sarothrae 370, 2106
herbicides, conferences 876
Juniperus ashei 1258
maize 4975
Sorghum halepense 478
Parthenium argentatum 4238
pastures, *Sesbania vesicaria* 2662
Prosopis glandulosa 366, 1257
roadsides, *Carduus nutans* 815
Schizachyrium scoparium 28
sorghum 271, 729, 4975
soyabeans 2320
weed control
conferences 876
integrated control 259
Pinus taeda 354
rangelands 1727
reports 1727
research 1727
vegetables 259
weeds 4582
conferences 876
groundnuts 786
Gutierrezia sarothrae 3399
wheat 271, 729
Amaranthus palmeri 333
Kochia scoparia 333
Utah
Artemisia 3057

USA *cont.*
Utah *cont.*
cherries 778
Chrysothamnus nauseosus 5136
grasslands 3057
Juniperus osteosperma, Phoradendron juniperinum 5158
Quercus 3057
Vermont
Lonicera tatarica 1255
meadows
maize, as weeds 3387
wheat, as weeds 3387
wild flowers
maize, as weeds 3387
wheat, as weeds 3387
Virginia
Agrostis stolonifera, Digitaria ischaemum 2095
apples 1220
Sorghum halepense 2495
Coreopsis lanceolata
Cyperus esculentus 1248
Eclipta alba 1248
Coronilla varia, Cirsium arvense 947, 2653
Echinacea purpurea
Cyperus esculentus 1248
Eclipta alba 1248
Festuca arundinacea, Cirsium arvense 947, 2653
Gaillardia aristata
Cyperus esculentus 1248
Eclipta alba 1248
groundnuts 1648, 2503, 2880
herbicides
application rates 257
yields 257
lakes, *Hydrilla verticillata* 3439
Leucanthemum vulgare
Cyperus esculentus 1248
Eclipta alba 1248
maize, *Sorghum halepense* 2012, 3273
peaches 1220
Sorghum halepense 2495
rivers, *Hydrilla verticillata* 415
rye, *Sorghum halepense* 2495
Silene alba 2640
soyabeans 1564
weed control
economics 257
integrated control 257
low input agriculture 257
power lines 3392
rights of way 3392
weeds 962
dunes 3067
forests 3067
groundnuts 786
introduction 3067
plant communities 3067
salt marshes 3067
Washington
Agropyron desertorum, Centaurea solstitialis 954
Bromus tectorum 2250
Centaurea solstitialis 2250
cherries 3307, 4664
cranberries 1640
Aster subspicatus 1395
Lotus corniculatus 1395
Potentilla egedii 1395
cucumbers 3811
Elymus hispidus, Centaurea solstitialis 954
Elymus spicatus, Centaurea solstitialis 954
fallow, *Salsola iberica* 2603
grapes 3307
herbicides
application rates 317, 1178
cereals 3307
conferences 575, 3888
drift 3307
economics 4647
fallow 3307
fruit crops 317
horticultural crops 1178
lentils 4647
peas 4647

USA *cont.*
Washington *cont.*
herbicides *cont.*
sustainability 1178
lentils 3317
Chenopodium album 2797
Thlaspi arvense 2797
lucerne 3307
Mentha cardiaca 314
peas 3317, 4647
Pseudotsuga menziesii
Acer macrophyllum 2520, 5130
Alnus rubra 810
raspberries 1639
rivers 1314
roses 3307
Salsola iberica 58
Senecio jacobaea 831
Vaccinium macrocarpon, Maianthemum dilatatum 319
Vigna angularis 4649
weed control
fruit crops 317
integrated control 255, 317
legislation 2394
weeds
climate 1801
legislation 2394
Nassella trichotoma 1801
Sonchus arvensis 3910
Sonchus asper 3910
Sonchus oleraceus 3910
Sonchus uliginosus 3910
wetlands, *Lythrum salicaria* 416
wheat
Chenopodium album 2797
Salsola iberica 2603
Thlaspi arvense 2797
Wisconsin
Abutilon theophrasti 1810
Ambrosia trifida 3080
cranberries 1640
Dodecatheon meadia 951
Equisetum laevigatum 951
grasslands 951
herbicide residues
atrazine 2302
groundwater 2302
wells 2302
herbicides, cabbages 4656
maize 289, 1776, 3776
Abutilon theophrasti 2431
Chenopodium album 2431
Setaria faberi 2431
Pedicularis canadensis 951
Phlox glaberrima 951
potatoes 936
Pycnanthemum virginianum 951
soyabeans 1776
Vaccinium vitis-idaea 1223
weeds
aquatic weeds 2142
lakes 2142
population dynamics 2142
wetlands 417
Wyoming
Elymus smithii, Artemisia tridentata 3305
pastures, *Gutierrezia sarothrae* 2033
rangelands
Artemisia tridentata 3305
Gutierrezia sarothrae 2033
Stipa comata, Artemisia tridentata 3305
sugarbeet
Avena fatua 3054
Kochia scoparia 2203
Setaria viridis 2203
Sinapis arvensis 3054
Taraxacum officinale 4403
USSR (*see also* individual republics of the former USSR)
weed control, *Acroptilon repens* 3033
weeds, seed contamination 1751
Utricularia inflata
biology
cytology 1705
identification 1705
morphology 1705
taxonomy 1705

Utricularia inflata *cont.*
ecology
distribution 1705
spread 1705
Utricularia radiata
biology
cytology 1705
identification 1705
morphology 1705
taxonomy 1705
ecology
distribution 1705
spread 1705
Utricularia vulgaris
biology
leaves 2137
nutrient uptake 2137
translocation 2137
Uzbekistan
lucerne 2461
potatoes 2461
soyabeans 2461
tomatoes 2461
Vaccaria hispanica
barley
plant competition 41
surveys 3954
cereals, surveys 974
chickpeas, surveys 3954
ecology
soil types 3954
surveys 3954
faba beans, surveys 3954
lentils, surveys 3954
maize, surveys 3954
triticale, plant competition 41
wheat
plant competition 41
surveys 3954
Vaccaria pyramidata (*see Vaccaria hispanica)*
Vaccaria segetalis (*see Vaccaria hispanica)*
Vaccinium
herbicides
application date 4223
application rates 337, 4223
population density 3371
population dynamics 337
resistance 337
safety 4223
weeds, chemical control 4223
Vaccinium angustifolium
Canada 4925
USA 4390, 4925
weeds, surveys 4390
Vaccinium ashei
herbicides
application rates 1222
chlorophyll 1222
damage 1222
growth rate 1222
tolerance 1222
USA 1222
Vaccinium corymbosum
herbicides, residues 1050
USA 1050
Vaccinium macrocarpon
herbicides
application date 319
application rates 319, 4224
damage 319, 4224
growth rate 4224
Maianthemum dilatatum, USA 319
weeds, biological control 4224
Vaccinium myrtillus, pastures, population dynamics 488
Vaccinium vitis-idaea
herbicides
application rates 1223
chlorophyll 1223
damage 1223
USA 1223
weeds
growth rate 1223
light 1223
plant competition 1223
Valeriana officinalis
biology
plant growth regulators 2145
stomatal movement 2145

Valeriana officinalis cont.
herbicides
tolerance 4250
yields 4250
New Zealand 4250
Valerianella locusta
algae
biological control 862
chemical control 862
Belgium 2864
weeds
biological control 862
chemical control 862, 2864
Vallisneria americana
biology
composition 4303
development 2574
flowers 2574
genetic variation 1707
growth 4303
growth rate 2574
hybridization 2574
leaves 2574
morphology 2574
nomenclature 2574
phenotypes 1707
physiology 2574
reproduction 2574, 4303
roots 2574, 4303
sex ratio 1707
vegetative propagation 1707, 2574
Canada 1707
ecology
climate 2574
distribution 1707, 2574
habitats 2574
phenology 2574
plant communities 2574
population density 1707
population dynamics 2574
survival 4303
water pollution 4303
economics 2574
lakes, plant communities 3863
seeds
seed dispersal 2574
seed germination 2574
seed production 2574
viability 2574
utilization, indicator plants 2564, 4303
Vallisneria spiralis
ecology
habitats 1299
nutrient availability 1299
water quality 1299
weed associations 1299
Vegetable marrows (*see* Marrows)
Vegetables
Amaranthus lividus
emergence 3943
seasonal variation 3943
seed banks 3943
as weeds 5, 60, 225, 277, 424, 483, 502, 858
Asphodelus fistulosus
surveys 4806
yields 4806
Asteraceae, surveys 1407
Chenopodium album
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Convolvulus arvensis
surveys 4806
yields 4806
Conyza canadensis
emergence 3943
seasonal variation 3943
seed banks 3943
Cynodon dactylon
plant competition 4806
surveys 4806
yields 4806
Cyperus, surveys 1407
Cyperus rotundus
surveys 4806
yields 4806
Datura fastuosa
surveys 4806
yields 4806
Vegetables *cont.*
Digitaria ciliaris
emergence 3943
seasonal variation 3943
seed banks 3943
Echinochloa colonum
surveys 4806
yields 4806
Elymus repens
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Epilobium, surveys 1407
Erigeron annuus
emergence 3943
seasonal variation 3943
seed banks 3943
Erigeron philadelphicus
emergence 3943
seasonal variation 3943
seed banks 3943
Erysimum cheiranthoides
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Fallopia convolvulus
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Galinsoga ciliata
emergence 3943
seasonal variation 3943
seed banks 3943
Galium, surveys 1407
herbicides
adjuvants 4149
application methods 4149
application rates 4149
bioassays 2405
damage 2405, 2860
environmental impact 4882
residual effects 2405, 2860
residues 1049, 2724, 2728, 3139, 4867
selectivity 2487
Lamium
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Lapsana communis
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Myosotis arvensis
distribution 3951
population density 3951
soil pH 3951
soil types 3951
New Zealand 1411
Poa, surveys 1407
Poa annua
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Poaceae, surveys 1407
Poland 720
Polygonum, surveys 1407
Polygonum lapathifolium
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Portulaca oleracea
emergence 3943
seasonal variation 3943
seed banks 3943
Potentilla, surveys 1407
Ranunculus, surveys 1407
Rumex
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Schouwia thebaica
surveys 4806
Vegetables *cont.*
Schouwia thebaica cont.
yields 4806
Setaria verticillata
surveys 4806
yields 4806
Spergula arvensis
distribution 3951
population density 3951
soil pH 3951
soil types 3951
Taiwan 102
Tribulus terrestris
plant competition 4806
surveys 4806
yields 4806
USA 3031
Veronica, surveys 1407
weeds
chemical control 720, 1411, 2410, 4149-4150, 4153
control 1730, 5184
cultural control 3249, 4149
disturbed land 3504
emergence 3943
hosts of plant diseases 102
integrated control 259, 4149, 4806
physical control 3249, 4149
plant competition 720, 4806
population dynamics 3504
seasonal variation 3943
seed banks 3031, 3943
soil water 720
surveys 4806
yields 4153, 4806
Veld
Acacia cyclops, South Africa 3398
Acacia saligna, South Africa 3398
Venezuela
flora 1762
maize 3276
Mimosa pigra 563
tomatoes 2865
weed control, Pinopsida 5114
weeds
Fabaceae 1760
flora 1763
grapes 2276
Veratrum lobelianum
control
chemical control 1620
physical control 1620
grasslands, Russia 1620
pastures, Russia 1620
Verbascum
biology
identification 3488
taxonomy 3488
Verbascum densiflorum
hosts
Araneae 556
arthropods 556
beneficial insects 556
Verbascum thapsus
Artemisia
fire effects 3057
plant communities 3057
regrowth 3057
grasslands
fire effects 3057
plant communities 3057
regrowth 3057
Quercus
fire effects 3057
plant communities 3057
regrowth 3057
Vernolate
composition, groundnuts 1535
fatty acids, groundnuts 1535
interactions
fungicides 1535
herbicides 1535
magnesium, groundnuts 1535
nutrient content, groundnuts 1535
quality, groundnuts 1535
toxicity, rats 1480
zinc, groundnuts 1535
Vernonia
cereals
population dynamics 4384
soil fertility 4384

***Vernonia** cont.*
maize
population dynamics 4384
soil fertility 4384
Veronica
amenity and recreation areas, surveys 1407
biology
identification 1420
keys 1420
taxonomy 1420
canal banks, surveys 1407
control
chemical control 315
physical control 1740
ditch banks, surveys 1407
ecology, habitats 1407
grasslands, surveys 1407
maize, surveys 1407
rice, surveys 1407
rivers, surveys 1407
roadsides, surveys 1407
seeds
buried seeds 1740
light 1740
seed germination 1740
seed morphology 1420
Spain 1420
streams, surveys 1407
swamps, surveys 1407
vegetables, surveys 1407
walls, surveys 1407
waste land, surveys 1407
weed control, seed germination 1740
wheat, surveys 1407
Veronica arvensis
biology
geotropism 3086
growth rate 3086
leaves 3086
morphology 3086
plant growth regulators 3086
roots 3086
stems 3086
taxonomy 922
control, physical control 1411
ecology
disturbed land 1411
emergence 1411
population dynamics 1411
Veronica chamaedrys
biology
development 1753
flowering 1753
flowers 1753
growth rate 1753
morphology 1753
Veronica dillenii, control, chemical control 4680
Veronica filiformis
biology, morphology 4400
ecology, distribution 4400
Veronica hederifolia
barley
fertilizers 480
plant competition 480
yields 480
biology
growth rate 888
pollination 888
reproduction 888
cereals, surveys 974
control
chemical control 272
integrated control 272
physical control 272
ecology
colonizing ability 888
emergence 2159
survival 888
hosts, beneficial insects 888
seeds
buried seeds 2159
seed dormancy 2159
seed production 888
soil depth 2159
viability 2159
Spain 2159
wheat
fertilizers 480
plant competition 480
***Veronica hederifolia** cont.*
wheat *cont.*
yields 480
Veronica peregrina, biology, taxonomy 922
Veronica persica
biology
composition 1003
exudates 4542
glycosides 1003
growth rate 888, 2648
morphology 2648
plant growth regulators 4542
plant height 2648
pollination 888
reproduction 888
shoots 2648
control
chemical control 272, 424, 3741
cultural control 42
integrated control 272
physical control 272
ecology
colonizing ability 888
plant competition 2648
survival 888
herbicides
antagonism 3711
application rates 424, 3711, 3741
growth rate 424, 3711
morphology 424
synergism 3711
uptake 424
hosts, beneficial insects 888
rape
growth rate 42
plant competition 42
population density 42
yields 42
seeds
composition 4542
seed production 888
seed weight 4542
Vetch (*see Vicia*)
Viburnum utile
Cassia obtusifolia, USA 3376
Eleusine indica, USA 3376
herbicides
composition 3376
damage 3376
growth rate 3376
pigments 3376
Oenothera laciniata, USA 3376
Vicia faba (*see* Faba beans)
Vicia hirsuta
Austria 20
biology
chromosome number 20
flowering 1359
fruiting 1359
ecology, distribution 1359
Vicia narbonensis
Orobanche crenata
host parasite relationships 2984
phloem 2984
seed banks 761
sieve elements 2984
vascular system 2984
water relations 2984
Vicia sativa
cereals, surveys 974
control
chemical control 764, 2817, 2820, 3263
integrated control 2817
physical control 764, 2817
ecology
altitude 3950
distribution 3950
habitats 3950
plant competition 3950
soil types 3950
surveys 3950
Fallopia convolvulus, plant competition 4622
Fumaria officinalis, plant competition 4622
herbicides
damage 4622
population dynamics 4622
tolerance 4622
yields 4622
***Vicia sativa** cont.*
Lamium amplexicaule, plant competition 4622
Orobanche crenata
host parasite relationships 2959
resistance 2959
yields 2959
pecans
growth rate 4793
plant competition 4793
Polygonum aviculare, plant competition 4622
Spain 4622
Striga gesnerioides
host parasite relationships 3429
resistance 3429
weeds, plant competition 4622
Vicia villosa
Canada 5021
control
chemical control 2430, 3047
cultural control 2430
physical control 2430
ecology
altitude 3950
distribution 3950
habitats 3950
plant competition 3950
soil types 3950
surveys 3950
herbicides
damage 1080
residual effects 1080
maize, population dynamics 2430
Orobanche crenata, seed banks 761
Panicum dichotomiflorum, USA 2430
pecans
growth rate 4793
plant competition 4793
USA 1080, 2336, 3047
weeds
allelopathy 3498
growth rate 3498
nodulation 3498
plant pathogens 3498
root hairs 3498
roots 3498
seed germination 3498
Vietnam
herbicides
man 155
toxicity 155
Vigna
Striga gesnerioides
host parasite relationships 3429
resistance 3429
Vigna aconitifolia
weeds
control 3746
occurrence 3746
Vigna angularis
USA 4649
weeds
chemical control 4649
control 305
Vigna mungo
Amaranthus blitum, hosts of plant diseases 4433
Cassia tora, hosts of plant diseases 4433
Chenopodium album
allelopathy 1400
growth rate 1400
seed germination 1400
Cuscuta
host parasite relationships 2046
India 2046
resistance 2046
yields 2046
Cyperus rotundus, allelopathy 1788
herbicides
application date 5074
application rates 5074
binding sites 3673
bioassays 3453, 3673
damage 3453
degradation 3673
growth rate 1905, 3453, 3673
plant growth regulators 3673
plant height 1905
residual effects 1905
seed germination 1905, 3453

Vigna mungo *cont.*
herbicides *cont.*
seed production 5074
yields 5074
India 1905, 2822, 4433, 5074
Lantana camara, hosts of plant diseases 4433
Parthenium hysterophorus, hosts of plant diseases 4433
Sesbania grandiflora, hosts of plant diseases 4433
Trianthema portulacastrum
hosts of plant pests 99
India 99
Tribulus terrestris
hosts of plant pests 99
India 99
weeds
chemical control 1661
hosts of plant pests 3989
Xanthium strumarium, hosts of plant diseases 4433
Vigna radiata
Cuscuta
host parasite relationships 2046
India 2046
resistance 2046
yields 2046
Cynodon dactylon
Bangladesh 4367
population density 4367
yield components 4367
yields 4367
Cyperus difformis
nutrient uptake 3292
population density 3292
yields 3292
Cyperus rotundus
allelopathy 1788
Bangladesh 4367
population density 4367
yield components 4367
yields 4367
Echinochloa crus-galli
nutrient uptake 3292
population density 3292
yields 3292
Echinochloa glabrescens
nutrient uptake 3292
population density 3292
yields 3292
Eclipta
nutrient uptake 3292
population density 3292
yields 3292
Euphorbia hirta, hosts of plant diseases 3537
Euphorbia prostrata
nutrient uptake 3292
population density 3292
yields 3292
herbicides
acetyl-CoA carboxylase 2795, 4008
application rates 2478
binding sites 2795
bioassays 3453
branching 2478
chloroplasts 218
damage 3453
degradation 4550
enzymes 218, 2795, 4008
growth rate 653, 1905, 2478, 3453
leaf area 653
leaf area index 2478
nitrate reductase 218
nutrient uptake 3292
pigments 218
plant height 1905
residual effects 1905
residues 112
seed germination 653, 1905, 3453
seed production 2478, 5072
survival 653
yield components 653, 2478
yields 653, 765, 2478, 3292, 3320, 5072
India 765-766, 1905, 2478, 3292, 3320, 5072-5073
Monochoria vaginalis
nutrient uptake 3292
population density 3292

Vigna radiata *cont.*
Monochoria vaginalis cont.
yields 3292
Orobanche crenata, seed banks 761
Parthenium hysterophorus
allelopathy 2546
electron transfer 2546
seed germination 2546
Paspalum distichum
nutrient uptake 3292
population density 3292
yields 3292
Philippines 470, 2645
Sarcophyte sanguinea
allelopathy 1276
growth rate 1276
rooting 1276
Trianthema portulacastrum, India 2045
weed control
application rates 2478
branching 2478
crop yield 5073
growth rate 2478
leaf area index 2478
nutrient uptake 766, 3292
seed production 2478, 5072
yield components 2478
yields 765-766, 2478, 3292, 3320, 5072
weeds
control 305, 3746
hosts of plant diseases 3984
hosts of plant pests 3989
nutrient availability 2478
nutrient content 2645
nutrient uptake 470, 2645
occurrence 3746
plant competition 2478
population density 4367
soil fertility 470
soil water 2478
yield components 4367
yields 4367
Vigna subterranea
Ageratum conyzoides, hosts of plant pests 4846
Nicandra physalodes, hosts of plant pests 4846
weeds, hosts of plant pests 4846
Vigna umbellata, weeds, control 305
Vigna unguiculata (*see* Cowpeas)
Vigna unguiculata **subsp.** ***sesquipedalis,*** herbicides, bioassays 4501
Vinca roseus
herbicides
application rates 1240
surfactants 1240
tolerance 1240
Vincetoxicum nigrum
biology
aroma 3468
flowering 3468
flowers 3468
fruits 3468
pollination 3468
reproduction 3468
rhizomes 3468
roots 3468
ecology, beneficial insects 3468
hosts, beneficial insects 3468
seeds
seed dormancy 3468
seed germination 3468
Viola arvensis
barley
chemical control 4131
plant competition 480
population density 494, 3953
seed banks 3953
surveys 494, 3953
yields 480
cereals
Poland 4158
population density 3953
seed banks 3953
surveys 3953
control, chemical control 725, 733, 2387, 3741, 4158, 4169, 4216, 4680
fallow
colonizing ability 496
species diversity 496

Viola arvensis *cont.*
herbicides
application rates 3741
degradation 1120
resistance 4216
translocation 1120
uptake 1120
hosts, beneficial insects 556
oats
population density 494
surveys 494
seeds
plant growth regulators 444
seed banks 3953
seed germination 444
stimulants 444
stratification 444
viability 3953
wheat
growth rate 482
light 482
morphology 482
plant competition 480, 482
plant height 482
Poland 4169
population density 494
surveys 494
variety trials 482
yields 480
Viola mandchrica
biology, identification 1355
ecology, population density 1355
Viola verecunda
biology
composition 1340
lipids 1340
ecology, insects 1340
seeds
composition 1340
seed dispersal 1340
seed predation 1340
seed weight 1340
Viruses, control, weeds, lawns and turf 1160
Viscaceae
Acacia
host parasite relationships 5155
nutrient content 5155
biology, polypeptides 838
Combretum
host parasite relationships 5155
nutrient content 5155
ecology
distribution 5155
nitrogen 5155
nutrient availability 5155
species diversity 5155
forests
host parasite relationships 5155
nutrient content 5155
fynbos
host parasite relationships 5155
nutrient content 5155
Maytenus
host parasite relationships 5155
nutrient content 5155
Rhus
host parasite relationships 5155
nutrient content 5155
savannas
host parasite relationships 5155
nutrient content 5155
shrubs
host parasite relationships 5155
nutrient content 5155
Viscum album
apples
branches 2548
buds 2548
development 2548
Germany 2548
growth rate 2548
host parasite relationships 2119, 2548
leaves 2548
xylem 2119
Betula pendula
host parasite relationships 2119
xylem 2119
biology
abscission 1681
amino acids 838, 2119

Viscum album *cont.*
biology *cont.*
composition 393, 838, 1681, 2119, 5156
cyclitols 393
enzymes 2120
flowers 2119
fructose 2120
genetics 838
leaves 1681, 2119
lectins 5156
metabolism 1681
nutrient uptake 390
oxidoreductases 2120
polypeptides 838
protein 1681
proteins 392
senescence 1681
sorbitol 2120
stems 2119
thiols 2119
toxins 1681
cherries
host parasite relationships 2119
xylem 2119
Crataegus monogyna
host parasite relationships 2119
xylem 2119
ecology
distribution 2548, 2924
establishment 2548
host parasite relationships 1680, 2120
seeds, embryos 2548
Sorbus aucuparia
host parasite relationships 2119
xylem 2119
Tilia cordata
host parasite relationships 2119
xylem 2119
utilization, medicinal plants 5156
Viscum cruciatum
biology
flowering 3420
flowers 3420
fruits 3420
nectar 3420
pollen 3420
pollination 3420
reproduction 3420
set 3420
sex ratio 3420
Crataegus monogyna
host parasite relationships 3420
Spain 3420
hosts, beneficial insects 3420
olives
host parasite relationships 3420
Spain 3420
seeds, embryos 3420
Viscum minimum
biology
anatomy 2925
development 2925
embryology 2925
mitosis 2925
ultrastructure 4275
ecology, nutrient uptake 2925
seeds, embryos 2925, 4275
Viscum orientale
Albizia amara
host parasite relationships 837
India 837
surveys 837
Azadirachta indica
host parasite relationships 837
India 837
surveys 837
forests
host parasite relationships 837
India 837
surveys 837
Vitellaria paradoxa
Burkina Faso 801
Tapinanthus dodoneifolius
Burkina Faso 4273-4274
host parasite relationships 4273-4274
Tapinanthus globiferus
Burkina Faso 4273-4274
host parasite relationships 4273-4274
Tapinanthus ophiodes
Burkina Faso 4273-4274

Vitellaria paradoxa *cont.*
Tapinanthus ophiodes cont.
host parasite relationships 4273-4274
weed control
damage 801
regenerative ability 801
Vitex negundo
biology
flowering 909
flowers 909
pollination 909
hosts, beneficial insects 909
India 909
Vitis labrusca (*see* Grapes)
Vitis rotundifolia (*see* Grapes)
Vitis vinifera (*see* Grapes)
Vochysia divergens
biology, growth rate 4710
forests
biomass 4710
flooding 4710
invasion 4710
grasslands
biomass 4710
flooding 4710
invasion 4710
Vulpia bromoides, control, chemical control 1209
Vulpia myuros
control
chemical control 1209, 3304
cultural control 3304
integrated control 3304
Walls
Asteraceae, surveys 1407
Cyperus, surveys 1407
Epilobium, surveys 1407
Galium, surveys 1407
Poa, surveys 1407
Poaceae, surveys 1407
Polygonum, surveys 1407
Potentilla, surveys 1407
Ranunculus, surveys 1407
Veronica, surveys 1407
Waste land
Asteraceae, surveys 1407
Cyperus, surveys 1407
Epilobium, surveys 1407
Galium, surveys 1407
Parthenium hysterophorus, invasion 4267
Poa, surveys 1407
Poaceae, surveys 1407
Polygonum, surveys 1407
Potentilla, surveys 1407
Ranunculus, surveys 1407
Veronica, surveys 1407
Water reservoirs
algae, population density 2568
aquatic weeds
Czech Republic 412
distribution 5172
Egypt 5172
establishment 412
habitats 5172
introduction 412
invasion 412
nutrient availability 5172
plant communities 2568, 5172
species diversity 5172
temperature 2568
Ceratophyllum demersum
China 1716
population density 2568
Lemna minor
heavy metals 5166
nutrient uptake 5166
seasonal variation 5166
Lithuania 2568
Myriophyllum spicatum
China 1716
temperature 2568
Nuphar lutea, population density 2568
Phragmites australis
population density 2568
temperature 2568
Pistia stratiotes, Uruguay 411
Potamogeton crispus
China 1716
Czech Republic 1701
Potamogeton friesii, Czech Republic 1701

Water reservoirs *cont.*
Potamogeton pectinatus
heavy metals 5166
nutrient uptake 5166
seasonal variation 5166
Potamogeton perfoliatus
heavy metals 5166
nutrient uptake 5166
seasonal variation 5166
Ranunculus circinatus, temperature 2568
Russia 5166
Spirodela polyrhiza
heavy metals 5166
nutrient uptake 5166
seasonal variation 5166
Trapa natans, USA 1315
Watermelons (*Citrullus lanatus*)
Nigeria 2007
Trianthema portulacastrum
hosts of plant pests 99
India 99
Tribulus terrestris
hosts of plant pests 99
India 99
weeds, chemical control 4153
Watersheds
herbicides
environmental impact 1891
residues 1890
usage 1891
USA 1891
Waterways
weed control
contracts 3732
labour requirements 3732
Wedelia paludosa, control, chemical control 4692
Weed control
algae, reviews 2576
amenity and recreation areas, conferences 430
apples, reviews 2869
aquatic weeds
books 5192
conferences 876, 5185
arboriculture, books 431
Argentina, reports 2586
Asclepias syriaca, reviews 456
aubergines, reports 862
audiovisual aids, conferences 1979
Australia
New South Wales, conferences 4758
Queensland
conferences 4758
reports 2586
South Australia, reports 1728, 4756
barley straw, reviews 2576
Belgium
conferences 429
reports 862, 1320
biological control
books 882, 1732, 3109, 3893, 5186, 5192
conferences 1323, 1730, 3456, 4318, 4758, 5184
reports 862, 2586
reviews 561, 2277, 2709, 2919, 3992-3993, 3999, 4848
broccoli
books 877
reports 862
cabbages, reports 862
Canada, books 882
Capsicum, reports 862
Caribbean, conferences 875
cauliflowers, reports 862
cereals
books 3460
conferences 430, 5182
chemical control
books 3460, 3893
conferences 4758
reports 862, 2586
chicory, reports 862
Cirsium vulgare, reviews 454
companies
books 4326
directories 4326
cotton, reports 866
cucumbers, reports 862
Cucurbitaceae, books 2593

Weed control *cont.*
culinary herbs, reports 862
cultural control, conferences 5184
Cuscuta, reviews 843
Denmark, conferences 3889
developing countries, reviews 4152
development, books 4321
dictionaries, books 431
Echinochloa, reviews 4342
ecosystems, reviews 3742
education
books 4326
directories 4326
endives, reports 862
environmental impact, conferences 876, 1324, 5185
European Communities, conferences 4757
extension
books 3893
conferences 876, 5182, 5185
fallow, conferences 1325
field crops
conferences 1730, 4317, 4319, 5185
reviews 3737
field experimentation, conferences 1324
fodder crops
conferences 5182
reports 866
Food and Agriculture Organization, reviews 4152
forests
books 432
conferences 876, 3459, 4317, 5182, 5185
France, conferences 873, 5184
fruit crops, conferences 428, 3459, 4317
fumigation, reviews 717
fungi, reviews 2277
Ghana, reviews 3737
grain legumes
books 3460
reviews 2859
grapes
books 3460
reviews 3344
grasslands
conferences 5185
reviews 4635
grazing, reviews 3300
greenhouses, conferences 1324
groundnuts
conferences 874
reviews 786
Guyana
conferences 875
reports 864
hedges, conferences 1325
herbicide resistant weeds, reviews 3344
herbivorous fishes, books 5192
horticultural crops, conferences 430, 876, 4317, 4319, 5182, 5185
India, Uttar Pradesh, conferences 872
industrial sites, conferences 430, 3459, 5182
information
books 4326
directories 4326
integrated control
books 1734, 2594, 3026, 4324, 5190-5191
conferences 1322-1323, 3889, 4314, 4318, 4324
reports 4314
reviews 718, 2859, 2869
intercropping, reviews 252
Iran, conferences 4320
Israel, conferences 1730, 4759
Japan, reviews 4187
lawns and turf
books 1327, 3891
conferences 876, 3459, 4319, 5182, 5185
reviews 1243
leeks, reports 862
legumes, conferences 5182
lettuces, reports 862
lucerne, books 2594
maize
conferences 5182
reports 866

Weed control *cont.*
Malaysia
conferences 4318
reviews 3999
Mali, conferences 1322
melons, reports 862
microorganisms, reviews 3992
mycoherbicides, reviews 3999
Netherlands, conferences 3458
New Zealand, conferences 4317
oats, reports 866
oilseed plants, conferences 5182
ornamental plants
conferences 3459, 4319
reviews 3374
ornamental woody plants
books 3026
reviews 3374
Orobanche
conferences 3458
reviews 2859, 2982, 3425
parasitic weeds
conferences 1730
reviews 2919
pastures, conferences 876, 4317, 4319
performance testing, conferences 1324
Philippines, books 1734
physical control
books 3893
conferences 5184
reports 2586
Poa annua, reviews 2521
Poland
conferences 2589
reports 719
Portugal, conferences 1323
potatoes
conferences 873
reports 1728
Pteridium aquilinum, reviews 3407
railways, conferences 876, 5185
rangelands
conferences 4319, 5182
reports 1727
reviews 3300
regulations, conferences 5185
research
books 4326
conferences 3458
directories 4326
reports 1320, 1727, 4756
rice
books 1734
conferences 875
reports 866
reviews 4187
rights of way, conferences 876, 5182, 5185
Sahel, conferences 1322
Salvinia, books 880
sampling, conferences 1731
scrub, conferences 4317
sheep, reviews 3300
soil, conferences 5185
soil sterilization, reviews 717
sorghum
as weeds, reviews 452
conferences 5182
reports 866
South Africa, reports 863
South East Asia
conferences 4318
reviews 3993, 4152-4153
soyabeans
conferences 5182
reports 866
Spain, conferences 2591
Striga
books 4323
conferences 3458
reviews 3425
subtropics, books 5186
sugarbeet
conferences 5182
reviews 5099
sugarcane, reports 865
surveys, reviews 5099
sustainability, conferences 872
Sweden, conferences 2592, 3457, 4315
Thailand, reviews 561
tomatoes, reports 862

Weed control *cont.*
tree fruits, books 3460
Trinidad and Tobago, conferences 875
UK
books 4326
conferences 1324, 1731, 4324, 4757, 4759
directories 4326
reviews 5013
USA
books 882
conferences 4319
Illinois, conferences 428
Louisiana, reports 865-866
Maryland, conferences 3456
Massachusetts, conferences 3459
Michigan, conferences 5182
Oklahoma, conferences 874
reports 2586
Tennessee, conferences 5185
Texas
conferences 876
reports 1727
Valerianella locusta, reports 862
vegetables
conferences 1730, 3459
reviews 4153
weed control, reviews 4635
wetlands, conferences 4319
wheat
reports 866
reviews 1995
wildlife, conferences 3459
Weeds
algae, reviews 3435
allelopathy
books 1739, 3028
conferences 870, 3028
reviews 3501
anatomy, books 2156
aquatic weeds
books 880
reviews 3435
Arabidopsis, reviews 907
Arabidopsis thaliana
books 1326
conferences 1326
reviews 4836
arboriculture, books 431
Asclepias syriaca, reviews 456
audiovisual aids, conferences 1979
Australia, South Australia, reports 1728
Belgium, reports 1320
bioassays, reviews 3501
biology 715, 2591, 3344, 3743
anatomy 475, 2156, 4818
canopy 3438
carbon dioxide 59
carbon pathways 489
chlorophyll 4418
conferences 430, 2591, 3025, 5182
development 714, 1985
dry matter distribution 3438
emergence 1330
evolution 17, 213, 463, 497, 506, 713, 1817, 3742
fertilization 916
flowering 451, 1358, 3735
flowers 2156
fluorescence 4418
fruiting 1358
gene flow 17, 916
genetic resources 1782
genetic variation 713, 1815
genetics 713, 917, 1808, 2255, 3466
genotypes 1809
growth 714, 3027
growth rate 925, 1587, 3438, 3735, 3889, 4792
hybridization 916-917, 960
identification 882, 914, 1732, 2156, 2185, 3893, 3946, 5009
leaf area 3438
leaves 229, 4418
life cycle 3031, 3484, 4386
life history 2255
light 3438
lignin 4818
morphology 229, 279, 475
mutants 1808
nitrogen 59, 465

Weeds *cont.*
biology *cont.*
nomenclature 882, 2080, 2156, 5009
phenotypes 1808
photosynthesis 59, 465
physiology 475
pigments 2156
plant height 3438, 4818
pollen 916, 1262, 1808, 4720
pollination 451, 3735
reproduction 713, 914, 925, 1809, 2080, 2668, 3031
research 713
reviews 5013
starch 1434
stress response 475
taxonomy 914, 1327, 1762, 1797, 2231, 2247, 2607, 2633, 3061, 3486, 3893
temperature 4418
vegetative propagation 2668
Canada, reviews 826
Caribbean, conferences 875
China
conferences 5183
reviews 4597
Cirsium arvense, reviews 455
Cirsium vulgare, reviews 454
cold resistance, reviews 4836
control 667, 1816, 2155, 3027, 4811
chemical control 1182, 2579, 2591, 3738
conferences 2591
cultural control 3738
integrated control 902
research 711, 723, 1978
sustainability 723
Cuscuta, reviews 843
cyanobacteria, reviews 3435
dictionaries, books 431
distribution, conferences 3024
Echinochloa, reviews 4342
ecology 715, 923, 2155
adaptation 4411
allelopathy 1587, 1739, 3028, 4380, 4800
biotypes 1809, 1817, 1936, 2686
cadmium 3044
carbon dioxide enrichment 59, 925, 930, 1765
climate 475
colonizing ability 490, 718, 4801
competitive ability 4790
conferences 430, 2591, 3025, 5182, 5185
copper 3044
dispersal 4398
distribution 882, 960, 962, 1408, 1678, 1732, 1765, 1794, 2186, 2633-2634, 3479, 3486, 3949
disturbed land 36, 930, 948-949, 962, 2610, 4811
economic thresholds 2327
emergence 949, 1719, 1749, 3883
erosion 3520
establishment 960-961, 2579, 4773
evolution 2255
fertilizers 1330, 4787
fishes 1854
flooding 3949
flora 2579
grazing 962, 3520
habitats 882, 914, 1357-1358, 1362, 1408, 3484, 3949, 4811
habits 718
heavy metals 3044
introduction 1363, 3893, 4773, 4811
invasion 916, 960-961, 2652, 3893, 3949, 4398, 4811
lead 3044
light 1719, 1809, 1985, 3484, 3883, 3924, 3931
mineral oils 1794
mycorrhizas 930
Nematoda 4813
nitrogen 59, 465
nitrogen fixation 465
nutrient availability 49, 59, 490, 930, 934, 3466, 3484, 3931, 4395
nutrient content 3044
nutrient uptake 465, 3044

Weeds *cont.*
ecology *cont.*
nutrients 465
occurrence 17
origin 882, 1408, 1732
oxygen 3466
phenology 463, 475, 2186, 2255
plant communities 451, 925, 982, 1750, 2186, 2610, 2678, 3050, 3061, 3502
plant competition 36, 463, 475, 714, 718, 925, 934, 938, 1320, 1587, 1739, 1772, 1809, 1985, 2412, 2591, 2652, 3028, 3050, 3735, 3743, 3748-3749, 3931, 4362, 4790-4792
plant succession 930
population density 51, 930, 1330, 1750, 3031, 4156, 4395
population dynamics 925, 948, 953, 962, 1587, 1808, 2579, 2610, 3074, 3276, 3502, 4386, 4811
rain 949
salinity 3949
seasonal variation 451
soil pollution 1794, 3044
soil types 49, 1362
soil water 934, 1362, 3484
spatial distribution 2610, 3050, 3070
species diversity 51, 718, 948-949, 1339, 1994, 2610, 3050, 3520, 4156, 4787, 4801
spread 713, 953, 962, 1765, 3074, 3502, 3728, 3893, 4398, 4811
stress response 475
surveys 1357, 1362-1363, 1408, 3061, 4801
survival 961-962, 1809
temperature 934, 1809
water relations 49, 948, 3061
zinc 3044
ecosystems, reviews 3742
environmental impact, books 3893
European Communities, conferences 4757
extension
books 3893
conferences 5182
fallow, conferences 1325
field crops, conferences 2590, 4317
flora, conferences 871, 2591
flowers, books 2156
forests
books 3892
conferences 3459, 4317
France, books 881
fruit crops, conferences 3459, 4317
gene expression, reviews 4836
grain legumes, reviews 2859
grapes, reviews 3344
groundnuts
conferences 874
reviews 786
Guyana, conferences 875
hedges, conferences 1325
herbicide resistant weeds
conferences 5182
reviews 3344, 3964
herbicides
application methods 4411
carotenoids 4561
chlorophyll 4561
enzyme inhibitors 4561
enzymes 4561
evolution 4411
metabolism 4411
mode of action 4411, 4561
phytoene 4561
resistance 4411
horticultural crops, conferences 4317
hosts
Acari 4437
bacteria 3103, 4356
beneficial insects 451, 3542, 3991
fungi 92, 457, 544, 3984, 4838
honey bees 5008
insects 91, 95, 101, 1011, 1651, 3541, 4838, 4840, 4842
Nematoda 102, 558-560, 1014, 1852, 3989, 4845-4846
snails 1015

Weeds *cont.*
hosts *cont.*
viruses 433
identification, books 2156
India
conferences 3028
Delhi, conferences 870
reviews 3964
indicator plants, reviews 3435
industrial sites, conferences 3459
integrated control, reviews 2859
introduction
books 3893
conferences 3024
invasion
books 3893
conferences 3024
reviews 3893
Iran, conferences 4320
lawns and turf, conferences 3459
lentils, books 879
livestock, reviews 1260
Lythrum salicaria, reviews 3444
Malaysia, conferences 4318
medicinal plants, reviews 4597
morphology, reviews 475, 907
Netherlands, conferences 3458
New Zealand, conferences 4317
nomenclature, books 881
ornamental plants, conferences 3459
ornamental woody plants, books 3026
Orobanche
conferences 3458
reviews 2859, 2991, 3422, 3425
parasitic weeds
books 879, 3892
conferences 1730
pastures, conferences 4317
pest resistance, reviews 3250
phenology, reviews 475
physiology
conferences 5185
reviews 475
plant communities, conferences 3025
plant competition, reviews 475, 3050, 3931
plant pathogens
books 1326
conferences 1326
poisonous weeds
books 2595
reviews 826, 1260
Poland
bibliographies 5075
conferences 871, 2589-2590, 3025
potatoes
bibliographies 5075
reports 1728
Pteridium aquilinum, reviews 3407
Raphanus raphanistrum, reviews 3034
research
conferences 3458
reports 1320
reviews 3422
rice
books 1734
conferences 875
Sahel, books 3892
Salvinia, books 880
sampling, conferences 1731
scrub, conferences 4317
seed banks
books 878
reviews 3466
seed germination, reviews 3422
seeds
buried seeds 900, 902, 1330, 1337-1339, 1748-1749, 1994, 3904
composition 1748
conferences 430
decomposition 1748
embryos 434
identification 1352
longevity 2579
plant growth regulators 444, 2921
seed banks 265-266, 713, 878, 902, 934, 948, 1330, 1338-1339, 1748-1750, 1785, 1996, 2168, 2243, 2391, 3031, 3466, 3777, 3904, 3942-3943, 4313, 4386, 4411, 5017

Weeds *cont.*
seeds *cont.*
seed contamination 2675
seed dispersal 713, 923, 1808, 3735, 3749, 4398
seed dormancy 878, 900, 902, 923, 3904
seed germination 444, 713, 878, 902, 923, 948-949, 969, 1330, 1397, 1751, 2322, 2921, 3504, 3735, 3749, 3942
seed longevity 1748, 3031
seed morphology 1748
seed predation 878, 1748, 4260
seed production 923, 962, 1815, 1996, 2216, 2412, 3031, 3735, 3751
seed quality 1338
seed size 1337, 1397, 3735
soil depth 900, 1338-1339, 1397, 3735, 3904
soil types 1337
stimulants 444, 902, 2921
stratification 444
viability 902, 960, 1397, 1994, 2243, 3904
sorghum, as weeds, reviews 452
South East Asia, conferences 4318
Spain, conferences 2591
species diversity, reviews 718
spread, books 3893
stimulants, reviews 3422
Striga
books 4323
conferences 3458
reviews 2991, 3425
sugarbeet
population density 3510
surveys 3510
Sweden, conferences 2592, 3457
toxicity
allergens 1262, 2617, 4720
animals 1678
fishes 1678
livestock 1260, 1678
man 1262, 1678
Nematoda 4813
pets 3401
reviews 826
Trinidad and Tobago
books 2156
conferences 875
UK
books 881
conferences 430, 1731, 3024, 4757
reviews 5013
USA
conferences 4319
Massachusetts, conferences 3459
Michigan, conferences 5182
Missouri, conferences 1326
Oklahoma, conferences 874
reviews 826
Tennessee, conferences 5185
Texas, conferences 876
utilization 2825
books 880
composts 4146
essential oil plants 3517
fodder crops 3517
food crops 3517
foods 5009
indicator plants 1794, 4289
industrial crops 3517
insecticidal plants 4596
medicinal plants 3517
nectar plants 5008
oilseed plants 4598
ornamental plants 3517
soil fertility 470
varietal susceptibility, reviews 3250
vegetables, conferences 3459
viruses, books 433
wildlife, conferences 3459
West Africa
flora 2625
weed control
economics 1688
Striga 1688
West Asia
flora 2623, 3025
West Asia *cont.*
weeds, utilization 708
Western Europe
herbicides
birds 3145
environmental impact 3145
sugarbeet 792
wildlife 3145
weed control, cereals 1989
Western hemlock (*see Tsuga heterophylla*)
Wetlands
aquatic weeds, control 3543
Distichlis spicata, USA 1288
Echinochloa crus-galli, USA 3871
Eleocharis sphacelata
gas exchange 2140
methane production 2140
stems 2140
herbicides
aerial application 1903
drift 1903
surfactants 1903
Hydrilla verticillata
growth rate 403
population dynamics 403
seasonal variation 403
temperature 403
India 403
Ipomoea aquatica
growth rate 403
population dynamics 403
seasonal variation 403
temperature 403
Lythrum salicaria
Canada 418
USA 416
Mimosa pigra
grazing 2108
habitats 2108
invasion 2108
rain 2108
spread 2108
Paspalum distichum
growth rate 403
population dynamics 403
seasonal variation 403
temperature 403
Scirpus olneyi, USA 1288
Scirpus tuberosus
growth rate 403
population dynamics 403
seasonal variation 403
temperature 403
Spartina patens, USA 1288
Typha, USA 1903
USA 417
weeds, control 4319
Xanthium strumarium, Canada 208
Wheat (*Triticum aestivum* and *T. durum*)
Aethusa cynapium
Germany 726
plant competition 726
population density 726
yields 726
Alopecurus myosuroides
economic thresholds 2654
growth rate 482, 2654
light 482
morphology 482
plant competition 482, 2654, 4617
plant height 482
population density 2654
UK 280
variety trials 482
Amaranthus
growth stages 1781
plant succession 1781
population dynamics 1781
Amaranthus blitoides
allelopathy 3941
growth rate 3941
Jordan 3941
plant height 3941
roots 3941
seed germination 3941
shoots 3941
yields 3941
Amaranthus gracilis
allelopathy 3941
growth rate 3941
Jordan 3941
Wheat *cont.*
Amaranthus gracilis cont.
plant height 3941
roots 3941
seed germination 3941
shoots 3941
yields 3941
Amaranthus hybridus
fertilizers 483
growth rate 483
plant competition 483
yields 483
Amaranthus palmeri, USA 333
Amaranthus retroflexus
allelopathy 3941
Canada 1624
growth rate 3941
Jordan 3941
plant height 3941
roots 3941
seed germination 3941
shoots 3941
yields 3941
Anagallis arvensis subsp. *foemina,* surveys 3954
Anchusa azurea, surveys 3954
Antirrhinum majus, surveys 3954
Apera spica-venti
Germany 262, 3262
growth rate 482
light 482
morphology 482
plant competition 262, 482, 4617
plant height 482
variety trials 482
yields 3260
Argentina 4940
Artemisia verlotiorum, Brazil 4620
as weeds
barley
Japan 2424
quality 2424
yields 2424
control
chemical control 1167, 3387
cultural control 2424
physical control 3387
fallow, population dynamics 2243
herbicides, adjuvants 1167
meadows
plant competition 3387
USA 3387
Netherlands 1167
rape
chemical control 260
UK 260
yields 260
sorghum
allelopathy 2223
growth rate 2223
seed germination 2223
weed control, emergence 3387
wild flowers
plant competition 3387
USA 3387
Asphodelus fistulosus
surveys 4806
yields 4806
Asteraceae, surveys 1407
Australia 270
Avena
surveys 499
UK 280
weed associations 499
Avena fatua
Canada 1993, 4170
France 4816
growth stages 1781
light 944
New Zealand 4162
plant competition 944, 3908
plant succession 1781
population density 944
population dynamics 1781
temperature 944
UK 944, 2383
yields 944
Avena sterilis
application date 4164
chemical control 3464, 4164
economics 4164

Wheat *cont.*
Avena sterilis cont.
Italy 3464
population density 4164
surveys 3954
barley
as weeds
morphology 2200
plant competition 2200, 4794
seed dormancy 435
variety trials 2200
yields 2200, 4794
Belgium 232, 1078, 4084-4085
Brassica
growth stages 1781
plant succession 1781
population dynamics 1781
Bromus diandrus, control 1591
Bromus rigidus, control 1591
Bromus secalinus, USA 3758
Bromus sterilis
spread 968
yields 968
Bromus tectorum
Canada 1777, 1997
chemical control 2458
establishment 1777
growth rate 1777
habit 1777
light 1777
plant competition 1777
plant height 1777
seed production 1777
shading 1777
USA 2419, 4375
yields 1777
Calendula arvensis, plant competition 41
Canada 145, 269, 277, 1472, 2377, 2416, 3265, 3303, 4912, 5015
Capsella bursa-pastoris
economic thresholds 2654
growth rate 2654
plant competition 2654
population density 2654
Centaurea cyanus
nutrient content 38
plant competition 38
quality 38
yields 38
Centaurea diluta, plant competition 41
Chamomilla recutita
fertilizers 480
plant competition 480
yields 480
Chenopodium album
allelopathy 1920
Canada 1624
growth rate 1920
hosts of plant pests 97
population density 494
seed germination 1920
surveys 494
USA 2797
China 4618
Cirsium arvense
Canada 47, 1595
Poland 2212
population density 47
yields 2212
Convolvulus althaeoides, surveys 3954
Convolvulus arvensis
surveys 3954, 4806
yields 4806
Coronopus didymus, hosts of plant pests 97
Cynodon dactylon
plant competition 4806
surveys 3954, 4806
yields 4806
Cyperus
growth stages 1781
plant succession 1781
population dynamics 1781
surveys 1407
Cyperus rotundus
allelopathins 4541
allelopathy 4541
seed germination 4541
surveys 4806
yields 4806
Czech Republic 3509

Wheat *cont.*
2,4-D
yield components 4619
yields 4619
Datura fastuosa
surveys 4806
yields 4806
Denmark 4617
Echinochloa colonum
surveys 4806
yields 4806
Echinochloa crus-galli
Bulgaria 3493
plant competition 2824
yields 2824
Elymus repens
allelopathy 4378
Canada 47, 1186
chemical control 1996
Germany 262, 1996, 2420
growth rate 4378
plant competition 262
population density 47, 494, 1186, 4399
roots 4378
spread 968
surveys 494, 4399
yields 968, 1996
endives, as weeds, surveys 3954
Epilobium, surveys 1407
Erysimum cheiranthoides
population density 494
surveys 494
Ethiopia 1781, 3760
Finland 494, 728, 733
France 3650
Fumaria officinalis
population density 494
surveys 494
Galeopsis
population density 494
surveys 494
Galeopsis tetrahit
population density 4399
surveys 4399
Galinsoga parviflora
fertilizers 483
growth rate 483
plant competition 483
yields 483
Galium
growth stages 1781
plant succession 1781
population dynamics 1781
surveys 1407
Galium aparine
Germany 3262
Poland 4169
spread 968
UK 275
yields 968
Germany 476, 480, 482, 956, 1185, 2421, 3669-3670, 3716, 3757, 4067
Greece 5103
Guizotia
growth stages 1781
plant succession 1781
population dynamics 1781
Guizotia scabra
growth stages 1781
plant succession 1781
population dynamics 1781
herbicides
acetyl-CoA carboxylase 2795, 4008
acid phosphatase 3193
adenosinetriphosphatase 195
adjuvants 1565, 2383, 2809-2810, 4162, 4171, 4575
air assisted sprayers 3699
alkaline phosphatase 3193
antagonism 736
application date 143, 656, 1472, 2215, 2417, 2797, 2813, 3260, 3629, 3753, 4085, 4162, 4165, 4482, 4912
application methods 282, 736, 1990, 1993, 2419, 3260, 3699, 5023
application rates 144, 275-276, 733-734, 736, 937, 1472, 1980, 1993, 2298, 2383, 2418, 2797, 2809, 2813, 3260, 3265, 3683,

Wheat *cont.*
herbicides *cont.*
application rates *cont.*
3741, 4165, 4313, 4610, 4614, 4620, 5023
binding sites 2795
bioassays 577, 1463, 1497, 1912
canopy penetration 3699
carbon pathways 1144
carotenoids 2364
catabolism 1144
catalase 4115
cell culture 1463
cell membranes 675
chlorophyll 2350, 2364, 3221, 4111
chloroplasts 1142
climate 279
composition 2350, 2364, 2818
copper 4948
cysteine 4560
cytochrome P-450 1125
damage 656, 675, 734, 736, 1080, 1565, 2383, 2387, 2414, 2793, 2797, 2820, 3278, 3762, 4162
degradation 734, 1120, 1125, 1472, 1593, 3218, 4560
deposition 3699
development 1993
drift 2377
economics 278, 729-730, 1177, 1211, 1582, 2418, 3256, 3760, 4313, 5025
electron transfer 1142
emergence 1993
energy relations 3265, 5025
environmental impact 3145, 3597, 3752
enzymes 195, 675, 1125, 2364, 2795, 3193, 3218, 4008, 4560
fatty acids 1948
flowers 656
fluorescence 4111, 4964
genetics 4109
glutathione 3218, 4560
glutathione reductase (NAD(P)H) 4115
glutathione transferase 3218
growth rate 273, 675, 1463, 1525, 1593, 1912, 1932, 1946, 2350, 2383, 2419, 3193, 3683, 3690, 3759, 3761, 4948
imbibition 3193
irrigation 3644
labour requirements 3760
leaf area 4167
leaves 2364, 4163, 4167, 4948
light 1932, 2360, 3221
lipids 1948
lodging 2383
membrane permeability 3221
membrane potential 195
membranes 4115
mode of action 195
morphology 2350
nitrate reductase 3193
nozzles 3699
nutrient content 3261, 4948
nutrient uptake 1946, 2360, 3683
peroxidase 3193
peroxidases 4115
photoinhibition 675
photosynthesis 1142, 1593, 2360, 4111
photosystem II 1142, 1593
pigments 2350, 2364
plant communities 267
plant diseases 3761, 4160, 4163
plant growth regulators 195, 643, 675
plant height 308, 1525, 1932, 4167
plasma membranes 3221
population density 308, 3780
population dynamics 277
proline 3690
proteins 2818, 4115
quality 278, 1177
rain 2797
relative humidity 279
residual effects 308, 577, 1080, 3759, 4209
residues 133, 143-145, 1472, 1593, 1868, 2298, 4474, 4482

Wheat *cont.*
herbicides *cont.*
retention 4575
roots 1144, 1525, 3218, 4948
safeners 280, 2814, 3262, 4560, 4610
salinity 2817
seed banks 2809
seed germination 577, 656, 3683, 4765
seed moisture 1472
seed production 656
seed treatment 3193
seed weight 2350
seeds 2364, 4482
selectivity 3741
shoots 3218
soil water 271, 279
species diversity 277, 494
sphingolipids 3221
stomata 1144
sucrose 2360
superoxide dismutase 2364, 4115
surfactants 2387, 4166, 4546, 4575
synergism 3758, 4575
temperature 1932, 4964
thiols 3218
tillering 273, 735
tillers 2383, 4167
tolerance 211, 280, 577, 656, 736, 1593, 1932, 2353, 2788, 3221, 3741, 3964, 4109, 4115, 4162, 4560, 4948
transferases 4560
translocation 643, 734, 1120, 4111
transpiration 1144
uptake 734, 1120, 4546, 4575
usage 1187, 1984
variety trials 273, 656, 734, 1320, 2350, 2353, 2816, 3758, 4109, 4168, 4482, 4948
water relations 2350
water stress 1932
yield components 271, 643, 656, 734, 2817, 4167, 4619
yields 269-271, 278, 280-281, 308, 727-729, 733-735, 1177, 1595-1596, 1990, 1992-1993, 1996, 2215, 2350, 2383, 2418-2419, 2423, 2810, 2816-2817, 2820, 3256, 3258, 3261, 3263, 3265, 3755, 3758, 3760-3762, 4160, 4165-4169, 4172, 4209, 4612, 4619-4620, 5024-5025, 5027
zinc 4948
India 727, 735, 1211, 1991, 2298, 2815-2820, 3255, 3257, 3259, 3263-3264, 3266, 3278, 3683, 4165-4167, 4474, 4616, 4619, 5024-5025
Iran 3261
Italy 2814, 4138
Jordan 732
Kochia scoparia
plant competition 3932
USA 333
Lamium amplexicaule, Poland 4169
Lamium purpureum
plant competition 480
yields 480
Lapsana communis
population density 494
surveys 494
Leucanthemum vulgare
population density 4399
surveys 4399
Lolium
surveys 499
weed associations 499
Lolium multiflorum, USA 278
Lolium rigidum
chemical control 4614
integrated control 4614
surveys 3954
Matricaria perforata
Denmark 3494
growth rate 3494
leaf area 3494
plant competition 3494
plant density 3494
plant height 3494
weather 3494

Wheat *cont.*
Medicago
growth stages 1781
plant succession 1781
population dynamics 1781
Mexico 4356
Morocco 41, 4172
Myosotis arvensis
growth rate 482
light 482
morphology 482
plant competition 480, 482
plant height 482
variety trials 482
yields 480
Netherlands 1177
New Zealand 97, 734, 4613
oats
as weeds
development 2215
France 2215
growth rate 2215
plant competition 2215
population density 2215
tillers 2215
yield components 2215
yields 2215
Orobanche crenata
host parasite relationships 2975
Syria 2975
Orobanche cumana, host parasite relationships 2877
Oxalis pes-caprae, Morocco 4171
Pakistan 281, 1992
Panicum capillare
plant competition 2824
yields 2824
Papaver rhoeas
nutrient content 38
plant competition 38, 41
quality 38
yields 38
Phalaris
surveys 499
weed associations 499
Phalaris brachystachys, surveys 3954
Phalaris minor
India 1990
New Zealand 4162
Phalaris paradoxa, New Zealand 4162
Poa, surveys 1407
Poa trivialis
spread 968
yields 968
Poaceae
plant competition 34
surveys 1407
UK 280
Poland 560, 725, 1986, 2350, 2422-2423, 2810, 3762, 4209, 4482, 4609, 4615, 4674, 5027
Polygonum
growth stages 1781
plant succession 1781
population dynamics 1781
surveys 1407
Polygonum aviculare, hosts of plant pests 97
Polygonum lapathifolium
Canada 44
plant competition 44
population density 44
yields 44
Potentilla, surveys 1407
Prosopis juliflora
allelopathy 5139
growth rate 5139
roots 5139
seed germination 5139
shoots 5139
Ranunculus, surveys 1407
rape
as weeds
China 1592
Denmark 276
growth rate 482
light 482
morphology 482
plant competition 276, 482
plant height 482
variety trials 482

Wheat *cont.*
Ridolfia segetum
plant competition 2199
population density 2199
yields 2199
Romania 3803
Rumex acetosella
population density 4399
surveys 4399
Russia 3761
Salsola iberica
migration 2603
seed dispersal 2603
seed production 2603
USA 2603
weather 2603
wind effects 2603
Schouwia thebaica
surveys 4806
yields 4806
Sclerochloa kengiana
China 1596
population density 1596
Scorpiurus muricatus, surveys 3954
Senecio vulgaris
nutrient content 38
plant competition 38
quality 38
yields 38
Setaria verticillata
surveys 4806
yields 4806
Setaria viridis
Canada 44
plant competition 44
population density 44
yields 44
Sinapis arvensis
control 4161
fertilizers 4161
Jordan 4161
surveys 3954
Slovenia 3759
Sonchus arvensis
Canada 47
population density 47
Sorghum halepense, seed contamination 1341
Spergula arvensis
population density 494, 4399
surveys 494, 4399
Stellaria media
Canada 2257
Denmark 3494
economic thresholds 2654
growth rate 2654, 3494
hosts of plant pests 97
leaf area 3494
plant competition 2654, 3494
plant density 3494
plant height 3494
population density 494, 2654, 4399
surveys 494, 4399
weather 3494
Striga gesnerioides, host parasite relationships 4279
Striga hermonthica, host parasite relationships 4279
sunflowers, as weeds, Italy 2062
Sweden 3256
Switzerland 4612
Thesium humile
host parasite relationships 1682, 2121
nutrient uptake 2121
Thlaspi arvense, USA 2797
tolerance, herbicides 4002
Tribulus terrestris
plant competition 4806
surveys 4806
yields 4806
UK 92, 267, 272-273, 968, 971, 3629, 4160, 4313
Ukraine 1656, 1994, 3258
USA 271, 282, 308, 729-730, 1080, 2418, 2824, 3047, 3309, 3780, 3831, 4980, 5026
Vaccaria hispanica
plant competition 41
surveys 3954
Veronica, surveys 1407

Wheat *cont.*
Veronica hederifolia
fertilizers 480
plant competition 480
yields 480
Viola arvensis
growth rate 482
light 482
morphology 482
plant competition 480, 482
plant height 482
Poland 4169
population density 494
surveys 494
variety trials 482
yields 480
weed control
application date 2417, 3761, 4170
application rates 2418, 3265
damage 3757, 3761
economics 729-730, 1211, 1582, 2418, 3262, 3716, 5025
energy relations 3265, 5025
environmental impact 3597, 3752
growth rate 273, 3509, 3761, 4375
leaf area 4167
leaves 4167
nutrient content 3261
nutrient uptake 3261, 4375
plant diseases 3761
plant growth regulators 2420-2421
plant height 4167
population dynamics 277
quality 278, 4613
salinity 2817
seed production 5026
soil structure 1211
soil water 270-271, 732, 4170
species diversity 277
tillering 273, 3262
tillers 4167
variety trials 273
water relations 270
yield components 271, 2817, 4167, 4170
yields 269-271, 278, 727, 729, 732, 1211, 1996-1997, 2418, 2420, 2817, 2819, 3257, 3259, 3261-3262, 3265, 3509, 3716, 3757, 3761, 4161, 4165-4167, 4170, 4375, 4612-4613, 4620, 5023-5027
weeds
chemical control 267, 271, 279, 1177, 1594, 1817, 1980, 1995-1996, 2350, 2807, 2813, 3716, 3755, 3761, 4313, 4612, 5023, 5028
control 268, 731, 866, 3255, 3746
cropping systems 956
cultural control 5028
distribution 267
economic thresholds 1185
environmental factors 3060
fertilizers 956, 2809, 2815
flora 3964
growth rate 273
herbicide resistant weeds 3964
hosts of plant diseases 92
hosts of plant pests 560
integrated control 4806, 5190
occurrence 2422, 3746
physical control 5023
plant communities 4810
plant competition 262, 273, 476, 937, 956, 1994, 2809, 3760, 4313, 4806, 5026
population density 47, 476, 956, 1986, 3259
population dynamics 4313
rat feeding 3266
reproduction 4313
seasonal variation 2242
seed banks 2422
soil bacteria 4356
soil types 476, 494
soil water 494
spatial distribution 282
species diversity 47, 267, 3509
surveys 494, 499, 956, 3060, 3065, 4399, 4806, 4810
tillering 273

Wheat *cont.*
weeds *cont.*
weed associations 499, 4810
yields 476, 1185, 1996, 4806
White clover (*see Trifolium repens)*
White gram (*see* Chickpeas)
White mustard (*see Sinapis alba)*
White pine (*see Pinus strobus)*
White spruce (*see Picea glauca)*
Wild flowers
herbicides, establishment 1250
maize
as weeds
plant competition 3387
USA 3387
UK 971, 1250
wheat
as weeds
plant competition 3387
USA 3387
Willows (*see Salix)*
Winter crooknecks (*see Cucurbita moschata)*
Winter squashes (*see Cucurbita moschata)*
Wisteria sinensis
ecology 5110
forests, chemical control 5110
utilization 5110
Wolffia, utilization, feeds 3434
Wolffia arrhiza
biology
electron transfer 2569
growth rate 2569
light 2569
photosynthesis 2569
ultraviolet radiation 2569
herbicides
growth rate 2569
photosynthesis 2569
ultraviolet radiation 2569
Wolffiella, utilization, feeds 3434
Woodlands
weeds
development 2216
distribution 2216
phenology 2216
plant communities 2216
species diversity 2216
Woody weeds
biology
life history 5138
regeneration 5138
canals
chemical control 2529
Croatia 2529
control 4369
biological control 1561, 4260, 4324
chemical control 3739, 3839, 4060, 4369, 4703, 5118
cultural control 2103, 3739, 4060
physical control 816, 2103, 3739, 3839, 5057, 5118
ecology
climate 5138
distribution 962, 2103
disturbed land 962
edaphic factors 5138
grazing 962
habitats 5138
invasion 4260
plant succession 2103
population dynamics 962, 2103, 5138
spread 962
surveys 2103
survival 962
firebreaks, cultural control 3393
forests, physical control 816
fynbos
climate 5138
edaphic factors 5138
fire effects 5138
introduction 5138
invasion 5138
grasslands
Germany 5057
invasion 5057
heathlands
population dynamics 2103
spread 2103
herbicides
resistance 346

Woody weeds *cont.*
herbicides *cont.*
tree injection 5118
Picea abies
invasion 3839
Norway 3839
plant competition 3839
Picea glauca, plant competition 4369
Pinus echinata, USA 5118
Pinus resinosa, plant competition 4369
Pinus taeda
control 803
plant competition 33, 350, 803
USA 5117
rangelands
cultural control 3393
spread 3393
USA 4060
seeds
seed predation 4260, 4324
seed production 962
Workshops (*see* Conferences)
Xanthium italicum
hosts, fungi 3983
sunflowers, hosts of plant diseases 3983
Xanthium occidentale
biology
composition 3530
irradiation 3530
metabolism 3530
Xanthium pensylvanicum
biology
acetaldehyde 3093
alcohol dehydrogenase 3093
emergence 642
enzymes 642, 3093, 3901, 4417
ethanol 3093
growth rate 4417
hydrogen cyanide 642
metabolism 642
plant growth regulators 642, 4417
herbicides
degradation 1120
translocation 1120
uptake 1120
seeds 3901
composition 3093, 3901
imbibition 4417
plant growth regulators 3901, 4417
seed germination 642, 3901, 4417
stimulants 3901, 4417
storage 3093
temperature 3093
Xanthium spinosum
Australia 3115
biology, identification 3487
control
biological control 3115
physical control 2583
ecology, distribution 3487
sorghum
population dynamics 1795
surveys 1795
sugarbeet
emergence 2217
phenology 2217
seed germination 2217
Spain 2217
Xanthium strumarium
biology
chlorophyll 1834
composition 3222
emergence 4330
enzymes 3222
exudates 1373
flowering 1373, 3090
isomerases 3222
leaves 4421
light 510
metabolic inhibitors 3222
photoperiodism 1373
photosynthesis 1834, 3090
plant growth regulators 1373
relative humidity 510
roots 4421
stomata 510
stomatal movement 1834
sucrose 3090
translocation 1373, 3090
water relations 31, 4421
xylem 4421

Xanthium strumarium *cont.*
Brassica campestris, hosts of plant diseases 4433
Canada 1126, 2351
control
chemical control 424, 1562, 2435, 2492, 2503, 4452, 4455
cultural control 2435, 4372
physical control 2435
cotton
herbicide resistance 4408
plant competition 31
soil water 31
water relations 31
ecology
biotypes 1126, 4408
ecotypes 208
habitats 1126, 2351
herbicides
adjuvants 2775, 3115
application rates 424
bioassays 4452
emergence 2351
fruits 1126
growth rate 208, 424, 4951
leaf age 2775
leaves 1913
mode of action 4951
morphology 424, 1126
rain 1913
resistance 4408, 4951
retention 1913
seed germination 2351
seed longevity 2351
seed production 1126
seed size 1126
tissue culture 4951
uptake 424, 2775
viability 2351
water stress 2775
waxes 2775
hosts
fungi 544
insects 3106
lentils, hosts of plant diseases 4433
maize, Canada 208
okras, hosts of plant diseases 4433
Ricinus communis, hosts of plant diseases 4433
seeds
buried seeds 2351
light 4330
scarification 4330
seed banks 2435
seed dormancy 4330
seed germination 4330
seed predation 1126
seed production 1126
seed size 1126
soil depth 4330
sorghum, population dynamics 2435
soyabeans
Canada 208
growth rate 4372
Italy 1210
leaf area 4372
plant competition 934, 4372
population density 1210
resistance 934
seed production 4372
soil water 4372
USA 4372
yields 1210, 4372
Trifolium alexandrinum, hosts of plant pests 3106
Vigna mungo, hosts of plant diseases 4433
wetlands, Canada 208
Xanthocephalum sarothrae (*see Gutierrezia sarothrae)*
XDE 537 3190
Xyris pauciflora
biology
emergence 4339
flowering 4339
fruiting 4339
phenology 4339
seeds, seed dispersal 4339
Yams (*Dioscorea* spp.)
Nigeria 95
weeds, hosts of plant pests 95
Yemen
weeds
cotton 4806
lucerne 4806
maize 4806
sorghum 4806
surveys 4806
vegetables 4806
wheat 4806
Yugoslavia 4842
(*see also* Croatia; Slovenia)
apples 4530
Amaranthus retroflexus 4662
Setaria pumila 4662
Stellaria media 4662
flora 2621, 2632, 2661, 2667
weeds 4751
fungi 3983
hosts of plant diseases 3983
hosts of plant pests 4840
maize 2433, 4810
sugarbeet 4810
wheat 4810
Xanthium italicum 3983
Zaire
weeds
Asteraceae 2607
Convolvulaceae 2607
Zambia
cassava, *Melinis repens* 2825
Eleusine coracana, Melinis repens 2825
groundnuts, *Melinis repens* 2825
maize, *Melinis repens* 2825
Sesbania sesban 345
Zannichellia
ecology
disturbed land 1297
emergence 1297
France 1297
seeds
buried seeds 1297
seed banks 1297
seed germination 1297
Zantedeschia albomaculata
herbicides
tubers 4249
yields 4249
New Zealand 4249
weeds, plant competition 4249
Zea mays (*see* Maize)
Zeatin 1505, 1508, 2268, 2343
Zeatin riboside 1500
Zimbabwe
lakes, *Eichhornia crassipes* 2148
maize 1602
rivers, *Eichhornia crassipes* 4284
Zizania aquatica
ecology, climate 3446
herbicides
chlorophyll 3446
composition 3446
India 3446
Ziziphus
seeds, buried seeds 2805
utilization, foods 2805
Ziziphus mauritiana
biology
amino acids 365
composition 365
leaves 365
herbicides, economics 2402
hosts, insects 365
India 2402
weeds, chemical control 2402
Zoysia
herbicides
damage 356
tolerance 356
USA 356
Zoysia japonica
herbicides, damage 1244
Japan 3937
Lolium perenne
plant competition 1244
USA 1244
weeds
fertilizers 3937
population dynamics 3937
Zoysia japonica* × *Z. tenuifolia
Cynodon dactylon, USA 358
Zoysia japonica* × *Z. tenuifolia *cont.*
herbicides
application date 358
application rates 358
damage 358
growth rate 358
Zucchini (*see* Marrows)

LIST OF SERIALS ABSTRACTED

Listed below are the titles of the serial publications (excluding most annual reports and conference proceedings) abstracted during 1995 for this journal.
Many other serials were scanned during 1995 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition.* The publication includes ISSNs and publishers' addresses.

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Acta Academiae Agriculturae ac Technicae Olstenensis, Agricultura
Acta Agriculturæ Scandinavica. Section B, Soil and Plant Science
Acta Agriculturae Boreali-Sinica
Acta Agriculturae Shanghai
Acta Agrobotanica
Acta Agronomica Sinica
Acta Biologica Hungarica
Acta Biotheoretica
Acta Botanica Austro Sinica
Acta Botanica Croatica
Acta Botanica Gallica
Acta Botánica Mexicana
Acta Botanica Neerlandica
Acta Botanica Sinica
Acta Clinica Belgica
Acta Facultatis Rerum Naturalium Universitatis Comenianae, Genetica et Biologia Molecularis
Acta Horticulturae
Acta Hydrobiologica Sinica
Acta Hydrochimica et Hydrobiologica
Acta Oecologica
Acta Physiologiae Plantarum
Acta Phytophylacica Sinica
Acta Phytophysiologica Sinica
Acta Scientiarum Naturalium Universitatis Sunyatseni
Acta Societatis Botanicorum Poloniae
Advances in Horticultural Science
Advances in Horticulture and Forestry
Advances in Plant Sciences
African Entomology
African Journal of Ecology
Afro-Asian Journal of Nematology
Agfacts - Department of Agriculture, New South Wales
Agnote (Darwin)
Agrarforschung
Agrarökologie
Agribusiness Worldwide
Agricoltura Mediterranea
Agricultura em São Paulo
Agricultura Tropica et Subtropica
Agricultura, Revista Agropecuaria
Agricultural and Forest Meteorology
Agricultural Economic Report - Economic Research Service, US Department of Agriculture
Agricultural Economics
Agricultural Progress
Agricultural Research (Washington)
Agricultural Reviews (Karnal)
Agricultural Science
Agricultural Science Digest (Karnal)
Agricultural Science in Finland
Agricultural Systems
Agriculture et Développement
Agriculture, Ecosystems & Environment
Agro de Cuyo Manuales
Agro Food Industry Hi-Tech
Agro Sur
Agro-Chemicals News in Brief
Agrochémia (Bratislava)
Agrochemia (Warszawa)
Agrochimica
Agroforestry Systems
Agroforestry Today
Agrokhimiya
Agronomía Colombiana
Agronomía Costarricense
Agronomía Tropical (Maracay)
Agronomie
Agronomie Tropicale
Agronomy Journal
Agropecuária Catarinense
Agrotechnology Transfer
Agrotecnia de Cuba
Al Awamia
Allelopathy Journal
Allionia
American Entomologist
American Industrial Hygiene Association Journal
American Journal of Agricultural Economics
American Journal of Alternative Agriculture
American Journal of Botany
American Journal of Enology and Viticulture
American Journal of Industrial Medicine
American Journal of Veterinary Research
American Midland Naturalist
American Naturalist
American Potato Journal
Analele Institutului de Cercetări pentru Protecţia Plantelor, Academia de Ştiinţe Agricole şi Silvice
Analele Stiintifice ale Universitatii 'Al I Cuza' din Iasi. Sectiunea II a. Biologie Vegetala
Anales de Biología
Anales del Jardín Botánico de Madrid
Analusis
Analyst
Analytica Chimica Acta
Analytical Biochemistry
Analytical Chemistry (Washington)
Analytical Letters
Angewandte Botanik
Annales Botanici Fennici
Annales de l'Institut Phytopathologique Benaki
Annales des Sciences Forestières
Annali della Facoltà di Agraria, Università di Bari
Annali di Chimica
Annals of Agricultural Research
Annals of Agricultural Science, Moshtohor
Annals of Applied Biology
Annals of Arid Zone
Annals of Bangladesh Agriculture
Annals of Botany
Annals of Forestry
Annals of Plant Physiology
Annals of Plant Protection Sciences
Annals of the Entomological Society of America
Annals of the Phytopathological Society of Japan
Annual Report of the Tokyo Metropolitan Research Laboratory of Public Health
Annual Review of Phytopathology
Anzeiger für Schädlingskunde, Pflanzenschutz, Umweltschutz
Applied and Environmental Microbiology
Applied Engineering in Agriculture
Applied Entomology and Phytopathology
Applied Microbiology and Biotechnology
Applied Plant Science
Aquaculture
Aquatic Botany
Aquatic Toxicology
Aquilo. Ser. Botanica
Arab Gulf Journal of Scientific Research
Arboriculture Fruitière
Archiv für Hydrobiologie
Archiv für Hydrobiologie, Supplementband, Monographische Beiträge
Archives of Biochemistry and Biophysics
Archives of Environmental Contamination and Toxicology
Archives of Environmental Health
Archives of Nature Conservation and Landscape Research
Archives of Phytopathology and Plant Protection
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Arid Soil Research and Rehabilitation
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Arquivos de Biologia e Tecnologia
Arquivos do Instituto Biológico (São Paulo)
Asparagus Research Newsletter
Aspects of Applied Biology

Assiut Journal of Agricultural Sciences
Australian and New Zealand Journal of Ophthalmology
Australian Entomologist
Australian Forestry
Australian Journal of Agricultural Economics
Australian Journal of Agricultural Research
Australian Journal of Botany
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Australian Journal of Ecology
Australian Journal of Experimental Agriculture
Australian Journal of Plant Physiology
Australian Journal of Soil Research
Australian Systematic Botany
Australian Veterinary Journal
Avance Agroindustrial
Bacterial Wilt Newsletter
Bangladesh Journal of Scientific and Industrial Research
Bdzhil'nitstvo
Beiträge zur Biologie der Pflanzen
Beiträge zur Tropischen Landwirtschaft und Veterinärmedizin
Bericht - Informationsmanagement in Agrar- und Ernahrungswirtschaft. Reihe D, Kommunikation und Beratung
Betodlaren
Betteravier (Bruxelles)
Bhartiya Krishi Anusandhan Patrika
Biochemical Journal (London)
Biochemical Pharmacology
Biochemical Society Transactions
Biochemical Systematics and Ecology
Biochemie und Physiologie der Pflanzen
Biochemistry (Washington)
Biochemistry and Molecular Biology International
Biochimica et Biophysica Acta, Bioenergetics
Biocontrol Science and Technology
Biodiversity and Conservation
Biológia (Bratislava)
Biologia Plantarum
Biological & Pharmaceutical Bulletin
Biological Agriculture & Horticulture
Biological Chemistry Hoppe-Seyler
Biological Conservation
Biological Control
Biological Mass Spectrometry
Biological Reviews of the Cambridge Philosophical Society
Biologisches Zentralblatt
Biologist (London)
Biology and Environment. Proceedings of the Royal Irish Academy, Section B
Biology and Fertility of Soils
Biology Bulletin of the Russian Academy of Sciences
Biomass and Bioenergy
Bioresource Technology
BioScience
Bioscience, Biotechnology and Biochemistry
Biosensors & Bioelectronics
Biotechnology Letters
Biotekhnologiya
Biotronics
BIOTROPIA
Biotropica
Bioved
Bishop Museum Occasional Papers
Biuletyn Instytutu Hodowli i Aklimatyzacji Roślin
Biuletyn Instytutu Ziemniaka
Biuletyn Warzywniczy
Bois et Forêts des Tropiques
Boletim de Pesquisa - Centro de Pesquisa Agroflorestal da Amazonia Oriental
Boletín de la Sociedad Botánica de México
Boletín de Sanidad Vegetal, Plagas
Boletín Micológico
Boletín Técnico - Estación Experimental Agropecuaria, Balcarce
Bollettino dell'Istituto di Entomologia 'Guido Grandi' della Università degli Studi di Bologna
Botanica Acta
Botanica Helvetica
Botanical Bulletin of Academia Sinica
Botanical Journal of Scotland
Botanical Journal of the Linnean Society
Botanical Review
Botanicheskiĭ Zhurnal
Botany Circular (Gainesville)
Bragantia
British Journal of Cancer
British Sugar Beet Review
Brittonia
Buletin Penelitian Hutan
Buletinul Academiei de Ştiinţe a Republicii Moldova. Ştiinţe Biologice şi Chimice
Buletinul Universităţii de Ştiinţe Cluj-Napoca. Seria Agricultura şi Horticultură
Bulletin - Agricultural Experiment Station, Kansas State University
Bulletin - Louisiana Agricultural Experiment Station
Bulletin - Mississippi Agricultural and Forestry Experiment Station
Bulletin - North Carolina Agricultural Research Service, North Carolina State University
Bulletin - Pusat Penelitian Perkebunan Gula Indonesia
Bulletin de la Société Botanique de France, Actualités Botaniques
Bulletin des Séances, Académie Royale des Sciences d'Outre-Mer
Bulletin OEPP
Bulletin of Agricultural Science and Technology
Bulletin of Entomological Research
Bulletin of Environmental Contamination and Toxicology
Bulletin of Experimental Biology and Medicine
Bulletin of Faculty of Agriculture, University of Cairo
Bulletin of Taiwan Tobacco Research Institute, Taiwan Tobacco & Wine Monopoly Bureau
Bulletin of the Faculty of Agriculture, Hirosaki University
Bulletin of the Faculty of Bioresources, Mie University
Bulletin of the Forestry and Forest Products Research Institute, Ibaraki
Bulletin of the Irish Biogeographical Society
Bulletin of the Pan American Health Organization
Bulletin of the Torrey Botanical Club
Bulletin OILB/SROP
Bulletin Technique - Office National des Forêts
Cahiers Agricultures
Cahiers de la Recherche Développement
California Agriculture
Canadian Entomologist
Canadian Field-Naturalist
Canadian Journal of Botany
Canadian Journal of Forest Research
Canadian Journal of Plant Pathology
Canadian Journal of Plant Science
Canadian Journal of Soil Science
Cancer Epidemiology, Biomarkers & Prevention
Cancer Letters
Canopy International
CARD Staff Report Series
Časopis Lékařů Českých
Cathaya
Cecidology
Cell (Cambridge)
Cell Biology and Toxicology
Centro Agrícola
Centro Azúcar
Cercetări Agronomice în Moldova
Cereal Chemistry
Chemical and Pharmaceutical Bulletin
Chemical Speciation and Bioavailability
Chemistry and Industry (London)
Chemistry and Physics of Lipids
Chemosphere
Chinese Journal of Applied Ecology
Chinese Journal of Biological Control
Chinese Journal of Chromatography
Chinese Journal of Rice Science
Chromatographia
Ciência Rural
Científica (Jaboticabal)
Circular - Instituto Agronômico do Paraná
Circulatory Shock
Clinical and Experimental Allergy
Clinical and Experimental Dermatology
Colture Protette
Communications in Soil Science and Plant Analysis
Compost Science & Utilization
Comptes Rendus de l'Académie d'Agriculture de France
Conservation Biology
Cooperative Sugar
Cotton Pesticides Guide
Crop Production Science
Crop Protection
Crop Research (Hisar)
Crop Science
Cruciferae Newsletter
CSM Informatie
Cuadernos de Fitopatología
Cukoripar
Cultivar (Paris)
Cultivos Agroindustriales
Current Biology
Current Research - University of Agricultural Sciences (Bangalore)
Cytokine
Daphne, Revista do Herbário PAMG da EPAMIG
Denpun Kagaku = Journal for Starch and its Related Carbohydrates and Enzymes
Dermatology
Deutsche Tierärztliche Wochenschrift
Developmental Biology
DGF Informação
Difesa delle Piante

Dirasat. Series B, Pure and Applied Sciences
Diseases of Aquatic Organisms
dlz
Documentos - Centro de Pesquisa Agropecuária do Trópico Úmido
Doğa, Türk Tarım ve Ormancılık Dergisi
Doklady Rossiĭskoĭ Akademii Sel'skokhozyaĭstvennykh Nauk
Doklady, Biological Sciences
Down to Earth
Ecography
Ecological Applications
Ecological Modelling
Ecological Monographs
Ecological Research
Ecology
Economic Botany
Écoscience
Ecotoxicology
Ecotoxicology and Environmental Safety
Ege Üniversitesi Ziraat Fakültesi Dergisi
Egyptian Journal of Horticulture
Egyptian Journal of Physiological Sciences
Ekologija
Electroanalysis
Elytron
EMBO Journal
Entomologia Experimentalis et Applicata
Entomologia Generalis
Èntomologicheskoe Obozrenie
Entomologiske Meddelelser
Entomophaga
Entwicklung + Ländlicher Raum
Environment and Ecology
Environment International
Environment Update (Leamington Spa)
Environmental and Experimental Botany
Environmental Conservation
Environmental Entomology
Environmental Management
Environmental Pollution
Environmental Protection Series - Environment Canada
Environmental Research (New York)
Environmental Science & Technology
Environmental Science and Pollution Research International
Environmental Toxicology and Chemistry
Environmental Toxicology and Water Quality
Enzyme and Microbial Technology
Ernährung
Ernstia
Erwerbsobstbau
Estuaries
Estuarine, Coastal & Shelf Science
Euphytica
Eurasian Soil Science
European Journal of Dermatology
European Journal of Pharmacology
European Journal of Plant Pathology
Evolution
Evolutionary Ecology
Experimental Agriculture
Experimental and Toxicologic Pathology
Extension Bulletin - ASPAC, Food & Fertilizer Technology Center
Extension Bulletin - Cooperative Extension, College of Agriculture & Home Economics, Washington State University
FABIS Newsletter
FAO Plant Production and Protection Paper
Far Eastern Agriculture
Farm Chemicals
Farm Management
Farming Systems
Feddes Repertorium
FEMS Microbiology Ecology
Fenxi Huaxue = Chinese Journal of Analytical Chemistry
Fertilizer Research
Field Crops Research
Fieldiana, Botany
Fitopatologia Brasileira
Fiziologiya i Biokhimiya Kul'turnykh Rasteniĭ
Flora (Jena)
Florida Entomologist
Folia Geobotanica et Phytotaxonomica
Folia Microbiologica
FONAIAP Divulga
Food Additives and Contaminants
Food and Agricultural Immunology
Food and Chemical Toxicology
Food Australia
Food Chemistry
Food Technology (Chicago)
Forage Notes
Forensic Science International
Forest Ecology and Management
Forestry & British Timber
Forestry Chronicle
Forestry Commission Bulletin
Forst und Holz
Forstwissenschaftliches Centralblatt
Fourrages
Fragmenta Floristica et Geobotanica
Fragmenta Phytomedica et Herbologica
Free Radical Research
Free Radical Research Communications
Fresenius Environmental Bulletin
Fresenius' Journal of Analytical Chemistry
Freshwater Biology
Fruit Varieties Journal
Fruits (Paris)
Fruitteelt (Den Haag)
Functional Ecology
Fundamental and Applied Toxicology
Gazeta Cukrownicza
Gemüse (München)
Gene
General Technical Report - Intermountain Research Station, USDA Forest Service
Genes & Development
Genetics
Genome
Geoderma
Gesunde Pflanzen
Gewasbescherming
Global Pesticide Campaigner
Gorteria
Grana
Grana, Supplement
Grass and Forage Science
Grassland of China
Great Basin Naturalist
Gujarat Agricultural University Research Journal
Halászat
Hamdard Medicus
Harvest (Port Moresby)
Haryana Agricultural University Journal of Research
Haryana Journal of Agronomy
Haryana Journal of Horticultural Sciences
Helia
Helvetica Chimica Acta
Herba Polonica
Hereditas (Landskrona)
Heredity
HGCA Project Report
Highlights of Agricultural Research, Alabama Agricultural Experiment Station
Himachal Journal of Agricultural Research
Hojas Divulgadoras - Ministerio de Agricultura, Pesca y Alimentación
Horticultural Journal
Horticulture in New Zealand
Horticulturist
HortScience
HortTechnology
Human & Experimental Toxicology
Human Ecology (New York)
Hydrobiologia
Hydrological Processes
IAR Newsletter of Agricultural Research
IAWA Journal
ICFR Bulletin Series
ICFR Newsletter
Immunität und Infektion
Indian Agriculturist
Indian Botanical Reporter
Indian Cocoa, Arecanut and Spices Journal
Indian Coffee
Indian Farming
Indian Horticulture
Indian Journal of Agricultural Marketing
Indian Journal of Agricultural Research
Indian Journal of Agricultural Sciences
Indian Journal of Agronomy
Indian Journal of Biochemistry & Biophysics
Indian Journal of Dairy Science
Indian Journal of Ecology
Indian Journal of Entomology
Indian Journal of Environmental Health
Indian Journal of Experimental Biology
Indian Journal of Horticulture
Indian Journal of Marine Sciences
Indian Journal of Mycology and Plant Pathology
Indian Journal of Plant Physiology
Indian Journal of Plant Protection
Indian Journal of Pulses Research
Indian Journal of Sericulture
Indian Journal of Veterinary Medicine

Indian Phytopathology
Indian Sugar
Industrial Crops and Products
Information Report ST-X, Canadian Forest Service
Informations-Forêt, Afocel-Armef
Informatore Agrario
Informatore Fitopatologico
Informe Agropecuário (Belo Horizonte)
Infos (Paris)
Inquinamento
Insect Science and its Application
International Archives of Allergy and Applied Immunology
International Archives of Allergy and Immunology
International Journal of Dermatology
International Journal of Ecology and Environmental Sciences
International Journal of Environmental Analytical Chemistry
International Journal of Pest Management
International Journal of Pharmacognosy
International Journal of Plant Sciences
International Journal of Tropical Agriculture
International Journal of Tropical Plant Diseases
International Pest Control
International Rice Research Notes
International Sugar Journal
Internationale Revue der Gesamten Hydrobiologie
Investigación Agraria, Producción y Protección Vegetales
IPM Practitioner
Iranian Journal of Plant Pathology
Irrigation and Drainage Systems
Israel Journal of Plant Sciences
Issue Paper - Council for Agricultural Science and Technology
ITEA Producción Vegetal
Izvestiya Timiryazevskoĭ Sel'skokhozyaĭstvennoĭ Akademii
Japanese Journal of Entomology
Japanese Journal of Soil Science and Plant Nutrition
Japanese Journal of Toxicology and Environmental Health
Japanese Journal of Tropical Agriculture
Jiangsu Agricultural Sciences
JNKVV Research Journal
Journal - American Society of Sugar Cane Technologists
Journal - Association of Official Analytical Chemists
Journal of Agricultural & Environmental Ethics
Journal of Agricultural and Applied Economics
Journal of Agricultural and Food Chemistry
Journal of Agricultural and Resource Economics
Journal of Agricultural Science
Journal of Agriculture of the University of Puerto Rico
Journal of Agriculture, Western Australia
Journal of Agromedicine
Journal of Agronomy and Crop Science
Journal of Analytical Chemistry
Journal of Animal Science
Journal of Antibiotics
Journal of AOAC International
Journal of Aphidology
Journal of Applied Ecology
Journal of Applied Entomology
Journal of Applied Seed Production
Journal of Applied Toxicology
Journal of Aquaculture in the Tropics
Journal of Aquatic Animal Health
Journal of Aquatic Plant Management
Journal of Arboriculture
Journal of Arid Environments
Journal of Automatic Chemistry
Journal of Basic Microbiology
Journal of Biogeography
Journal of Biological Chemistry
Journal of Carbohydrate Chemistry
Journal of Chemical Ecology
Journal of Chromatography
Journal of Contaminant Hydrology
Journal of Drug Targeting
Journal of Ecology (Oxford)
Journal of Economic and Taxonomic Botany
Journal of Ecotoxicology and Environmental Monitoring
Journal of Electroanalytical Chemistry
Journal of Entomological Research
Journal of Entomological Science
Journal of Environmental Biology
Journal of Environmental Health
Journal of Environmental Horticulture
Journal of Environmental Management
Journal of Environmental Quality
Journal of Environmental Science and Health. Part A, Environmental Science and Engineering
Journal of Environmental Science and Health. Part B, Pesticides, Food Contaminants, and Agricultural Wastes
Journal of Environmental Sciences
Journal of Essential Oil Research
Journal of Ethnopharmacology
Journal of Eukaryotic Microbiology
Journal of Evolutionary Biology
Journal of Experimental Botany
Journal of Freshwater Ecology
Journal of Fruit and Ornamental Plant Research
Journal of Great Lakes Research
Journal of Heredity
Journal of Hunan Agricultural College
Journal of Hydrology (Amsterdam)
Journal of Industrial Microbiology
Journal of Insect Science
Journal of Invertebrate Pathology
Journal of Japan Society of Air Pollution
Journal of Jilin Agricultural University
Journal of Labelled Compounds and Radiopharmaceuticals
Journal of Liquid Chromatography
Journal of Living World
Journal of Maharashtra Agricultural Universities
Journal of Mathematical Biology
Journal of Molecular Biology
Journal of Natural Products
Journal of Natural Resources and Life Sciences Education
Journal of Nematology
Journal of Nuclear Agriculture and Biology
Journal of Pesticide Reform
Journal of Pesticide Science
Journal of Pharmacological and Toxicological Methods
Journal of Phytological Research
Journal of Phytopathology
Journal of Planar Chromatography
Journal of Plant Growth Regulation
Journal of Plant Nutrition
Journal of Plant Physiology
Journal of Production Agriculture
Journal of Range Management
Journal of Research, Punjab Agricultural University
Journal of Rural Development (Seoul)
Journal of Shandong Agricultural University
Journal of Small Fruit & Viticulture
Journal of Soil and Water Conservation
Journal of Soil Contamination
Journal of Sugar Beet Research
Journal of Sustainable Agriculture
Journal of Synthetic Organic Chemistry, Japan
Journal of the Adelaide Botanic Gardens
Journal of the American Academy of Dermatology
Journal of the American Oil Chemists' Society
Journal of the American Society for Horticultural Science
Journal of the Andaman Science Association
Journal of the Australian Entomological Society
Journal of the Bombay Natural History Society
Journal of the Faculty of Agriculture, Shinshu University
Journal of the Indian Potato Association
Journal of the Indian Society of Soil Science
Journal of the Institution of Water and Environmental Management
Journal of the Japanese Forestry Society
Journal of the Japanese Society of Agricultural Machinery
Journal of the Science of Food and Agriculture
Journal of the Southern African Society for Horticultural Sciences
Journal of the Sports Turf Research Institute
Journal of Toxicology and Environmental Health
Journal of Tropical Agriculture
Journal of Tropical Ecology
Journal of Turfgrass Management
Journal of Turkish Phytopathology
Journal of Vegetation Science
Journal of Veterinary Diagnostic Investigation
Journal of Veterinary Medical Science
Jugoslovensko Voćarstvo
Kaen Kaset = Khon Kaen Agriculture Journal
Karnataka Journal of Agricultural Sciences
Kartoffelbau
Kasetsart Journal, Natural Sciences
Kenya Coffee
Korean Journal of Crop Science
Korean Journal of Veterinary Research
Korean Journal of Weed Science
Kühn-Archiv
Kukuruza i Sorgo
LaborPraxis (Wurzburg)
Lagascalia
Lancet (British edition)
Landbauforschung Völkenrode
Landscape and Urban Planning
Landwirtschaft Schweiz
Lavoura Arrozeira
Lens
Lesnoe Khozyaĭstvo
Letters in Applied Microbiology
Listy Cukrovarnické a Řepařské
Lotus Newsletter

Louisiana Agriculture
Lucrări Ştiinţifice, Institutul Agronomic 'Nicolae Bălcescu' Bucureşti, Seria D, Zootehnie
Madras Agricultural Journal
Magyar Állatorvosok Lapja
Magyar Szőlő- és Borgazdaság
Mais
Manejo Integrado de Plagas
MAPPS Newsletter
Marchés Tropicaux et Méditerranéens
Marine Pollution Bulletin
Materiały Sesji Instytutu Ochrony Roślin
Mededeling - Landbouw-Economisch Instituut
Mededeling van het Centrum voor Onkruidonderzoek, Gent
Mededelingen van de Faculteit Landbouwwetenschappen, Universiteit Gent
Medical Science Research
Medicina del Lavoro
Medycyna Weterynaryjna
Metodiky pro Zavádění Výsledků Výzkumu do Zemědělské Praxe
Microbial Ecology
Microchemical Journal
Mikrobiologiya
Mitteilungen der Deutschen Bodenkundlichen Gesellschaft
Mokslinių Straipsnių Rinkinys
Molecular and General Genetics
Molecular Biology (New York)
Molecular Ecology
Molecular Immunology
Molecular Pharmacology
Molecular Plant-Microbe Interactions
Monti e Boschi
Morley Bulletin
Mutation Research, Fundamental and Molecular Mechanisms of Mutagenesis
Mutation Research, Genetic Toxicology Testing
Mutation Research, Mutation Research Letters
Mycologia
Mycological Research
Mycopathologia
Nachrichtenblatt des Deutschen Pflanzenschutzdienstes
Nahrung
National Academy Science Letters
Natural Toxins
Nature (London)
Naturwissenschaften
Nematologia Mediterranea
Nematologica
Neo Botanica
Neue Landwirtschaft
New Forests
New Phytologist
New Zealand Entomologist
New Zealand Forestry
New Zealand Journal of Agricultural Research
New Zealand Journal of Crop and Horticultural Science
New Zealand Journal of Ecology
New Zealand Journal of Forestry Science
News Letter - National Horticultural Research and Development Foundation
Nippon Nogeikagaku Kaishi
Nippon Sochi Gakkaishi = Journal of Japanese Society of Grassland Science
Nordic Journal of Botany
Nordisk Jordbruksforskning
Norsk Landbruksforsking
North Carolina Flower Growers' Bulletin
North Dakota Farm Research
Northern Journal of Applied Forestry
Northwest Science
Norwegian Journal of Agricultural Sciences
Növénytermelés
Növényvédelem
NRI Socio-economic Series
Nucleic Acids Research
Obst- und Weinbau
Occupational and Environmental Medicine
Ochrana Rostlin
Ochrona Roślin
Oecologia
Ohio Journal of Science
Oikos
Onderstepoort Journal of Veterinary Research
Onderzoek- en Voorlichtingscentrum voor Land- en Tuinbouw-Beitem-Roeselare, Doperwt, Droge Erwt, Stamslaboon
Osteuropastudien der Hochschulen des Landes Hessen. Reihe 1, Giessener Abhandlungen zur Agrar- und Wirtschaftsforschung des Europäischen Ostens
Ozone Science & Engineering
Pacific Northwest Cooperative Extension Publication
Pakistan Journal of Agricultural Research
Pakistan Journal of Botany
Pakistan Journal of Nematology
Pakistan Journal of Phytopathology
Pakistan Journal of Scientific and Industrial Research
Pakistan Journal of Zoology
Pakistan Sugar Journal
Pamiętnik Puławski
Papua New Guinea Journal of Agriculture, Forestry and Fisheries
Parasitica
Pastos y Forrajes
Pasturas Tropicales
Peanut Science
Pennsylvania Fruit News
Penyakit Hewan
Periodicum Biologorum
Pesquisa Agropecuária Brasileira
Pesquisa Veterinária Brasileira
Pesticide (China)
Pesticide Biochemistry and Physiology
Pesticide Outlook
Pesticide Research Journal
Pesticide Science
Pesticides News
Pflanzenschutz-Nachrichten Bayer (English ed.)
Pflanzenschutzmittel - Verzeichnis. Teil 3, Weinbau
Pharmacology and Therapeutics
Pharmazie
Philosophical Transactions of the Royal Society of London. Series B, Biological Sciences
PHM Revue Horticole
Photosynthesis Research
Photosynthetica
Physiologia Plantarum
Phytochemistry
Phytocoenologia
Phytoma
Phyton (Horn)
Phytoparasitica
Phytopathology
Phytoprotection
Phytotherapy Research
PKV Research Journal
Plant and Cell Physiology
Plant and Soil
Plant Breeding Reviews
Plant Cell
Plant Cell Reports
Plant Cell, Tissue and Organ Culture
Plant Disease
Plant Disease Research
Plant Growth Regulation
Plant Growth Regulator Society of America Quarterly
Plant Journal
Plant Molecular Biology
Plant Molecular Biology Reporter
Plant Physiology
Plant Physiology and Biochemistry (Paris)
Plant Protection
Plant Protection Bulletin (Taipei)
Plant Protection News
Plant Protection Quarterly
Plant Science (Limerick)
Plant Systematics and Evolution
Plant, Cell and Environment
Planta
Planta Daninha
Planta Medica
Planter
Plantes Médicinales et Phytothérapie
Plits
Polish Botanical Studies
Poljoprivredna Znanstvena Smotra
Potato Research
Prace Naukowe Instytutu Ochrony Roślin
Prace z Zakresu Nauk Leśnych
Prace z Zakresu Nauk Rolniczych
Prairie Naturalist
Preslia
Presse Médicale
Probleme de Agrofitotehnie Teoretică şi Aplicată
Problems of Desert Development
Proceedings - Soil and Crop Science Society of Florida
Proceedings Annual Conference - Agronomy Society of New Zealand
Proceedings of the Entomological Society of Washington
Proceedings of the Indian National Science Academy. Part B, Biological Sciences
Proceedings of the National Academy of Sciences of the United States of America
Proceedings of the New Zealand Grassland Association
Proceedings of the Nutrition Society of New Zealand

Proceedings of the Royal Society of London. Series B, Biological Sciences
Proceedings of the Royal Society of Queensland
Progrès Agricole et Viticole
Progress in Botany
Progressive Horticulture
Prostaglandins Leukotrienes and Essential Fatty Acids
Protein Engineering
Protoplasma
PSP Pflanzenschutz Praxis
Publikatie - Proefstation voor de Akkerbouw en de Groenteteelt in de Vollegrond, Lelystad
Pure and Applied Chemistry
Pyrethrum Post
Qatar University Science Journal
Química Analítica
Radiology
Rangeland Journal
Rapport - DLO-Instituut voor Agrobiologisch en Bodemvruchtbaarheidsonderzoek
Rapport - Institution för Lantbrukskteknik, Sveriges Lantbruksuniversitet
Rasen-Turf-Gazon
RDA Journal of Agricultural Science, Crop Protection
Recueil de Médecine Vétérinaire
Remote Sensing of Environment
Report of the Taiwan Sugar Research Institute
Report of the Tohoku Branch, the Crop Science Society of Japan
Research and Development Reporter
Research and Industry
Research Bulletin - Georgia Agricultural Experiment Stations
Research Bulletin of the Aichi-ken Agricultural Research Center
Research Highlights - Noxious Brush and Weed Control, Range and Wildlife Management
Research Note - Rocky Mountain Forest and Range Experiment Station, USDA Forest Service
Research Report Series - Department of Agriculture, Victoria
Research Series - Arkansas Agricultural Experiment Station
Researches on Population Ecology
Resistant Pest Management
Review of Research Work at the Faculty of Agriculture, Belgrade
Reviews of Environmental Contamination and Toxicology
Reviews of Weed Science
Revista Argentina de Producción Animal
Revista Baracoa
Revista Brasileira de Botânica
Revista Brasileira de Fisiologia Vegetal
Revista Ceres
Revista Chapingo
Revista Colombiana de Entomología
Revista de Agricultura (Piracicaba)
Revista de Protección Vegetal
Revue d'Élevage et de Médecine Vétérinaire des Pays Tropicaux
Revue de l'Agriculture
Revue de Médecine Vétérinaire
Revue Forestière Française
Revue Suisse d'Agriculture
Revue Suisse de Viticulture, d'Arboriculture et d'Horticulture
Rhodora
RIA, Revista de Investigaciones Agropecuarias
Rivista di Agronomia
Roczniki Nauk Rolniczych. Seria A, Produkcja Roślinna
Roczniki Nauk Rolniczych. Seria E, Ochrona Roślin
Rostlinná Výroba
RRA Notes - International Institute for Environment and Development
Russian Agricultural Sciences
Russian Journal of Ecology
Russian Journal of Plant Physiology
Sadovodstvo i Vinogradarstvo
Sahel PV Info
Sakharnaya Svekla
Santalum
Sarhad Journal of Agriculture
Sborník Vysoké Školy Zemědělské v Praze, Fakulta Agronomická. Řada A, Rostlinná Výroba
Scandinavian Journal of Work, Environment & Health
Schweizerische Zeitschrift fur Obst- und Weinbau
Science (Washington)
Science in China. Series B, Chemistry, Life Sciences & Earth Sciences
Science of the Total Environment
Scientia Agricola
Seed Research
Seed Science and Technology
Seed Science Research
Seedling News
Sendtnera, Mitteilungen der Botanischen Staatssammlung und des Instituts für Systematische Botanik der Universität München
Sensors and Actuators. B, Chemical
Sentinel (Wellington)
Sexual Plant Reproduction
Sheep Research Journal
Silva Fennica
Sinet, an Ethiopian Journal of Science
Slovenský Veterinársky Časopis
Sochi Shikenjo Kenkyu Hokoku = Bulletin of the National Grassland Research Institute
Soil & Tillage Research
Soil Biology & Biochemistry
Soil Science
Soil Science Society of America Journal
Soil Technology
Soil Use and Management
South African Journal of Botany
South African Journal of Plant and Soil
South African Journal of Science
South Indian Horticulture
Southeast Asian Journal of Tropical Medicine and Public Health
Southern Journal of Applied Forestry
Southwestern Entomologist
SP Rapport
SP Rapport - Statens Planteavlsforsog
Special Circular - Ohio Agricultural Research and Development Center
Staff Paper - Department of Agricultural and Applied Economics, University of Minnesota
Starch/Stärke
Sucrerie Maghrebine
Summa Phytopathologica
Swedish Journal of Agricultural Research
Systematic Botany
Taiwania
Talanta (Oxford)
Taxon
Tea in Guizhou
Technical Bulletin - Cyprus Agricultural Research Institute
Technical Highlights - Land Protection Branch, Queensland Department of Lands
Technical Paper - Forestry Commission
Technical Report - Department of Primary Industries, South Australia
Technical Report - Institute of Arable Crops Research, Long Ashton Research Station
Teelthandleiding - Proefstation voor de Akkerbouw en de Groenteteelt in de Vollegrond
Terra e Sole
Tetrahedron
Thaiszia
Theoretical and Applied Genetics
Tidsskrift for Planteavl
Tobacco Research
Toxicological and Environmental Chemistry
Toxicology and Applied Pharmacology
Toxicology and Industrial Health
Toxicology in Vitro
Toxicology Letters
TrAC, Trends in Analytical Chemistry
Transactions of the American Fisheries Society
Transactions of the ASAE
Transactions of the Illinois State Horticultural Society
Transactions of the Japanese Society of Irrigation, Drainage and Reclamation Engineering
Transactions of the Royal Society of Tropical Medicine and Hygiene
Transgenic Research
Trends in Biotechnology
Trends in Ecology & Evolution
Trends in Genetics
Tri-ology Technical Report
Tropical Agriculture
Tropical Grasslands
Tropical Science
Tropicultura
Turkish Journal of Agriculture & Forestry
Turkish Journal of Botany
Turkish Journal of Zoology
Turrialba
Two and a Bud
Växtodling, Institutionen för Växtodlingslära, Sveriges Lantbruksuniversitet
Växtskyddsnotiser
Vědecké Práce Ovocnářské
Vegetable Science
Vegetatio
Verhandlungen der Zoologisch-Botanischen Gesellschaft in Österreich
Veröffentlichungen des Geobotanischen Institutes der ETH, Stiftung Rübel, Zürich
Verslag - Proefstation voor de Akkerbouw en de Groenteteelt in de Vollegrond
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List of common names and abbreviations employed for currently used herbicides in *Weed Abstracts*

Unmarked names are those approved by the International Organization for Standardization (ISO)
An asterisk (*) signifies approval by the British Standards Institution (BSI)
A dagger (†) signifies approval by the Weed Science Society of America (WSSA) or ANSI
A plus (+) signifies trivial or unofficial names

acetochlor	2-chloro-*N*-ethoxymethyl-6′-ethylacet-*o*-toluidide
acifluorfen	5-(2-chloro-α,α,α-trifluoro-*p*-tolyloxy)-2-nitrobenzoic acid
aclonifen	2-chloro-6-nitro-3-phenoxyaniline
acrolein*	acrylaldehyde
alachlor	α-chloro-2′,6′-diethyl-*N*-methoxymethylacetanilide
allidochlor	*N,N*-diallyl-2-chloroacetamide
alloxydim	methyl (*E*-(*RS*)-3-[1-(-allyloxyimino)butyl]-4-hydroxy-6,6-dimethyl-2-oxocyclohex-3-enecarboxylate
ametridione	1-amino-6-ethylthio-3-neopentyl-1,3,5-triazine-2,4(1*H*,3*H*)-dione
ametryn	N^2-ethyl-N^4-isopropyl-6-methylthio-1,3,5-triazine-2,4-diamine
amibuzin	6-*tert*-butyl-3-dimethylamino-4-methyl-1,2,4-triazin-5(4*H*)-one
amidosulfuron	1-(4,6-dimethoxypyrimidin-2-yl)-3-mesyl(methyl)sulfamoylurea
amiprofos-methyl	*O*-methyl *O*-2-nitro-*p*-tolyl isopropylphosphoramidothioate
amitrole	3-amino-1*H*-1,2,4-triazole
anilofos	*S*-4-chloro-*N*-isopropylcarbaniloylmethyl *O,O*-dimethyl phosphorodithioate
asulam	methyl 4-aminophenylsulfonylcarbamate
atraton	N^2-ethyl-N^4-isopropyl-6-methoxy-1,3,5-triazine-2,4-diamine
atrazine	6-chloro-N^2-ethyl-N^4-isopropyl-1,3,5-triazine-2,4-diamine
aziprotryne	4-azido-*N*-isopropyl-6-methylthio-1,3,5-triazin-2-ylamine
barban	4-chlorobut-2-ynyl 3-chlorocarbanilate
benazolin	4-chloro-2,3-dihydro-2-oxo-1,3-benzothiazol-3-ylacetic acid
benfluralin	*N*-butyl-*N*-ethyl-α,α,α-trifluoro-2,6-dinitro-*p*-toluidine
benfuresate	2,3-dihydro-3,3-dimethylbenzofuran-5-yl ethanesulfonate
bensulfuron	α-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-*o*-toluic acid
bensulide	*O,O*-di-isopropyl *S*-2-phenylsulfonylaminoethyl phosphorodithioate
bentazone	3-isopropyl-1*H*-2,1,3-benzothiadiazin-4-(3*H*)-one 2,2-dioxide
benzadox*	benzamido-oxyacetic acid
benzipram	*N*-benzyl-*N*-isopropyl-3,5-dimethylbenzamide
benzofenap	2-[4-(2,4-dichloro-*m*-toluoyl)-1,3-dimethylpyrazol-5-yloxy]-4′-methylacetophenone
benzoylprop	*N*-benzoyl-*N*-(3,4-dichlorophenyl)-DL-alanine
benzthiazuron	1-benzothiazol-2-yl-3-methylurea
bifenox	methyl 5-(2,4-dichlorophenoxy)-2-nitrobenzoate
bilanafos	4-[hydroxy(methyl)phosphinoyl]-L-homoalanyl-L-alanyl-L-alanine
bromacil	5-bromo-3-*sec*-butyl-6-methyluracil
bromobutide	2-bromo-*N*-(α,α-dimethylbenzyl)-3,3-dimethylbutyramide
bromofenoxim	3,5-dibromo-4-hydroxybenzaldehyde 2,4-dinitrophenyloxime
bromoxynil	3,5-dibromo-4-hydroxybenzonitrile
butachlor	*N*-butoxymethyl-α-chloro-2′,6′-diethylacetanilide
butamifos	*O*-ethyl *O*-6-nitro-*m*-tolyl *sec*-butylphosphoramidothioate
butenachlor	(Z)-*N*-but-2-enyloxymethyl-2-chloro-2′,6′-diethylacetanilide
buthidazole	3-(5-*tert*-butyl-1,3,4-thiadiazol-2-yl)-4-hydroxy-1-methyl-2-imidazolidone
buthiuron	1-(5-butylsulfonyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea
butralin	*N*-*sec*-butyl-4-*tert*-butyl-2,6-dinitroaniline
buturon	3-(4-chlorophenyl)-1-methyl-1-(1-methylprop-2-ynyl) urea
butylate	*S*-ethyl di-isobutylthiocarbamate
cambendichlor	2,2′-(phenylimino)diethylene bis(3,6-dichloro-*o*-anisate)
carbetamide	(*R*)-1-(ethylcarbamoyl)ethyl carbanilate
chlomethoxyfen	5-(2,4-dichlorophenoxy)-2-nitroanisole
chloramben	3-amino-2,5-dichlorobenzoic acid
chloranocryl	3′,4′-dichloro-2-methylacrylanilide
chlorazifop	(±)-2-[4-(3,5-dichloro-2-pyridyloxy)phenoxy]propionic acid
chlorbromuron	3-(4-bromo-3-chlorophenyl)-1-methoxy-1-methylurea
chlorbufam	1-methylprop-2-ynyl 3-chlorophenylcarbamate
chloreturon	3-(3-chloro-4-ethoxyphenyl)-1,1-dimethylurea
chlorfenac	(2,3,6-trichlorophenyl)acetic acid
chlorfenprop	(±)-2-chloro-3-(4-chlorophenyl)propionic acid
chlorflurenol	2-chloro-9-hydroxyfluorene-9-carboxylic acid
chloridazon	5-amino-4-chloro-2-phenylpyridazin-3(2*H*)-one
chlorimuron	2-(4-chloro-6-methoxypyrimidin-2-ylcarbamoylsulfamoyl)benzoic acid
chlornitrofen	4-nitrophenyl 2,4,6-trichlorophenyl ether
chlorotoluron	3-(3-chloro-*p*-tolyl)-1,1-dimethylurea
chloroxuron	3-[4-(4-chlorophenoxy)phenyl]-1,1-dimethylurea
chlorpropham	isopropyl 3-chlorocarbanilate
chlorsulfuron	1-(2-chlorophenylsulfonyl)-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea
chlorthal-dimethyl	dimethyl tetrachloroterephthalate
chlorthiamid	2,6-dichlorothiobenzamide
cinmethylin	(1*RS*,2*SR*,4*SR*)-1,4-epoxy-*p*-menth-2-yl 2-methylbenzyl ether
cinosulfuron	1-(4,6-dimethoxy-1,3,5-triazin-2-y1)-3-[2-(2-methoxyethoxy)phenylsulfonyl]urea
cisanilide†	2,5-dimethyl-1-pyrrolidinecarboxanilide
clethodim	(±)-2-[(*E*)-1-[(*E*)-3-chloroallyloxyimino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxycyclohex-2-enone
cliodinate	2-chloro-3,5-di-iodo-4-pyridyl acetate
clodinafop	(*R*)-2-[4-(5-chloro-3-fluoro-2-pyridyloxy)phenoxy]propionic acid
clomazone	2-(2-chlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-one

clomeprop	(*RS*)-2-(2,4-dichloro-*m*-tolyloxy)propionanilide
cloproxydim	(±)-2-[1-(3-chloroallyloxy)iminobutyl]-5-(2-ethylthiopropyl)-3-hydroxycyclohex-2-enone
clopyralid	3,6-dichloropyridine-2-carboxylic acid
cumyluron	1-(2-chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea
cyanatryn	2-(4-ethylamino-6-methylthio-1,3,5-triazin-2-ylamino)-2-methylpropionitrile
cyanazine	2-(4-chloro-6-ethylamino-1,3,5-triazin-2-ylamino)-2-methylpropionitrile
cycloate	*S*-ethyl cyclohexyl(ethyl)thiocarbamate
cycloxydim	(±)-2-[1-(ethoxyimino)butyl]-3-hydroxy-5-thian-3-ylcyclohex-2-enone
cycluron	3-cyclo-octyl-1,1-dimethylurea
cyperquat	1-methyl-4-phenylpyridinium
cyprazine	6-chloro-N^2-cyclopropyl-N^4-isopropyl-1,3,5-triazine-2,4-diamine
cyprazole	*N*-[5-(2-chloro-1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl]cyclopropanecarboxamide
cypromid	3′,4′-dichlorocyclopropanecarboxanilide
2,4-D	(2,4-dichlorophenoxy)acetic acid
daimuron	1-(1-methyl-1-phenylethyl)-3-*p*-tolylurea
dalapon	2,2-dichloropropionic acid
dazomet	3,5-dimethyl-1,3,5-thiadiazinane-2-thione
2,4-DB	4-(2,4-dichlorophenoxy)butyric acid
delachlor	2-chloro-*N*-(isobutoxymethyl)acet-2′,6′-xylidide
desmedipham	3-ethoxycarbonylaminophenyl phenylcarbamate
desmetryn	N^2-isopropyl-N^4-methyl-6-methylthio-1,3,5-triazine-2,4-diamine
di-allate	*S*-2,3-dichloroallyl di-isopropyl(thiocarbamate)
dicamba	3,6-dichloro-*o*-anisic acid
dichlobenil	2,6-dichlorobenzonitrile
dichloralurea	1,3-bis(2,2,2-trichloro-1-hydroxyethyl)urea
dichlormate	3,4-dichlorobenzyl methylcarbamate
dichlorprop	(*RS*)-2-(2,4-dichlorophenoxy)propionic acid
dichlorprop-P	(*R*)-2-(2,4-dichlorophenoxy)propionic acid
diclofop	(*RS*)-2-[4-(2,4-dichlorophenoxy)phenoxy]propionic acid
diethamquat	1,1′-bis(diethylcarbamoylmethyl)-4,4′-bipyridyl-1,1′-diylium
diethatyl	*N*-chloroacetyl-*N*-(2,6-diethylphenyl)glycine
difenopenten	(*E*)-(±)-4-[4-(α,α,α-trifluoro-*p*-tolyloxy)phenoxy]pent-2-enoic acid
difenoxuron	3-[4-(4-methoxyphenoxy)phenyl]-1,1-dimethylurea
difenzoquat	1,2-dimethyl-3,5-diphenylpyrazolium
diflufenican	2′,4′-difluoro-2-(α,α,α-trifluoro-*m*-tolyloxy)nicotinanilide
dimefuron	3-[4-(5-*tert*-butyl-2,3-dihydro-2-oxo-1,3,4-oxadiazol-3-yl)-3-chlorophenyl]-1,1-dimethylurea
dimepiperate	*S*-1-methyl-1-phenylethyl piperidine-1-carbothioate
dimethachlor	2-chloro-*N*-(2-methoxyethyl)acet-2′,6′-xylidide
dimethametryn	N^2-(1,2-dimethylpropyl)-N^4-ethyl-6-methylthio-1,3,5-triazine-2,4-diamine
dimethenamid	(*RS*)-2-chloro-*N*-(2,4-dimethyl-3-thienyl)-*N*-(2-methoxy-1-methylethyl)acetamide
dimexano	*O,O*-diethyl dithiobis(thioformate)
dimidazon	4,5-dimethoxy-2-phenylpyridazin-3(2*H*)-one
dinitramine	N^1,N^1-diethyl-2,6-dinitro-4-trifluoromethyl-*m*-phenylenediamine
dinoseb	2-*sec*-butyl-4,6-dinitrophenol
dinoterb	2-*tert*-butyl-4,6-dinitrophenol
diphenamid	*N,N*-dimethyldiphenylacetamide
dipropetryn	6-ethylthio-N^2,N^4-di-isopropyl-1,3,5-triazine-2,4-diamine
diquat	9,10-dihydro-8a,10a-diazoniaphenanthrene
disul	2-(2,4-dichlorophenoxy)ethyl hydrogen sulfate
dithiopyr	*S,S′*-dimethyl 2-difluoromethyl-4-isobutyl-6-trifluoromethylpyridine-3,5-dicarbothioate
diuron	3-(3,4-dichlorophenyl)-1,1-dimethylurea
DNOC	4,6-dinitro-*o*-cresol
DSMA†	disodium methylarsonate
eglinazine	*N*-(4-chloro-6-ethylamino-1,3,5-triazin-2-yl)glycine
endothal*	7-oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid
epronaz	1-(*N*-ethyl-*N*-propylcarbamoyl)-3-propylsulfonyl-1*H*-1,2,4-triazole
EPTC	*S*-ethyl dipropylthiocarbamate
erbon	2-(2,4,5-trichlorophenoxy)ethyl 2,2-dichloropropionate
esprocarb	*S*-benzyl 1,2-dimethylpropyl(ethyl)thiocarbamate
ethalfluralin	*N*-ethyl-α,α,α-trifluoro-*N*-(2-methylallyl)-2,6-dinitro-*p*-toluidine
ethametsulfuron	2-(4-ethoxy-6-methylamino-1,3,5-triazin-2-ylcarbamoylsulfamoyl)benzoic acid
ethidimuron	1-(5-ethylsulfonyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea
ethiolate	*S*-ethyl diethylthiocarbamate
ethofumesate	(±)-2-ethoxy-2,3-dihydro-3,3-dimethylbenzofuran-5-yl methanesulfonate
etnipromid	(*RS*)-2-[5-(2,4-dichlorophenoxy)-2-nitrophenoxy]-*N*-ethylpropionamide
etobenzanid	2′,3′-dichloro-4-ethoxymethoxybenzanilide
fenasulam	methyl 4-[2-(4-chloro-*o*-tolyloxy)acetamido]phenylsulfonylcarbamate
fenoprop	(±)-2-(2,4,5-trichlorophenoxy)propionic acid
fenoxaprop	(±)-2-[4-(6-chloro-1,3-benzoxazol-2-yloxy)phenoxyl]propionic acid
fenoxaprop-P	(*R*)-2-[4-(6-chloro-1,3-benzoxazol-2-yloxy)phenoxyl]propionic acid
fenteracol	2-(2,4,5-trichlorophenoxy)ethanol
fenthiaprop	(±)-2-[4-(6-chloro-1,3-benzothiazol-2-yloxy)phenoxy]propionic acid
fenuron	1,1-dimethyl-3-phenylurea
flamprop	*N*-benzoyl-*N*-(3-chloro-4-fluorophenyl)-DL-alanine
flamprop-M	*N*-benzoyl-*N*-(3-chloro-4-fluorophenyl)-D-alanine
flazasulfuron	1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-trifluoromethyl-2-pyridylsulfonyl)urea
fluazifop	(*RS*)-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionic acid
fluazifop-P	(*R*)-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionic acid
fluchloralin	*N*-(2-chloroethyl)-2,6-dinitro-*N*-propyl-4-(trifluoromethyl)aniline
flufenican	2-(α,α,α-trifluoro-*m*-tolyloxy)nicotinanilide
flumetsulam	2′,6′-difluoro-5-methyl[1,2,4]triazolo[1,5-*a*]pyrimidine-2-sulfonanilide

flumiclorac	[2-chloro-5-(cyclohex-1-ene-1,2-dicarboximido)-4-fluorophenoxy]acetic acid
flumioxazin	*N*-(7-fluoro-3,4-dihydro-3-oxo-4-prop-2-ynyl-2*H*-1,4-benzoxazin-6-yl)cyclohex-1-ene-1,2-dicarboximide
flumipropyn	(±)-*N*-[4-chloro-2-fluoro-5-(1-methylprop-2-ynyloxy)phenyl]cyclohex-1-ene-1,2-dicarboximide
fluometuron	1,1-dimethyl-3-(α,α,α-trifluoro-*m*-tolyl)urea
fluorodifen	4-nitrophenyl α,α,α-trifluoro-2-nitro-*p*-tolyl ether
fluoroglycofen	*O*-[5-(2-chloro-α,α,α-trifluoro-*p*-tolyloxy)-2-nitrobenzoyl]glycolic acid
fluoromidine	6-chloro-2-trifluoromethyl-3*H*-imidazo[4,5-*b*]pyridine
fluoronitrofen	2,4-dichloro-6-fluorophenyl 4-nitrophenyl ether
fluothiuron	3-[3-chloro-4-(chlorodifluoromethylthio)phenyl]-1,1-dimethylurea
flupoxam	1-[4-chloro-α-(2,2,3,3,3-pentafluoropropoxy)-*m*-tolyl]-5-phenyl-1*H*-1,2,4-triazole-3-carboxamide
flupropanate	2,2,3,3-tetrafluoropropionic acid
flurenol	9-hydroxyfluorene-9-carboxylic acid
fluridone	1-methyl-3-phenyl-5-(α,α,α-trifluoro-*m*-tolyl)-4-pyridone
flurochloridone	(3*RS*,4*RS*;3*RS*,4*SR*)-3-chloro-4-chloromethyl-1-(α,α,α-trifluoro-*m*-tolyl)-2-pyrrolidone
fluroxypyr	4-amino-3,5-dichloro-6-fluoro-2-pyridyloxyacetic acid
flurtamone	(*RS*)-5-methylamino-2-phenyl-4-(α,α,α-trifluoro-*m*-tolyl)furan-3(2*H*)-one
fomesafen	5-(2-chloro-α,α,α-trifluoro-*p*-tolyloxy)-*N*-methylsulfonyl-2-nitrobenzamide
fosamine	ethyl hydrogen carbamoylphosphonate
furyloxyfen	(±)-5-(2-chloro-α,α,α-trifluoro-*p*-tolyloxy)-2-nitrophenyl tetrahydro-3-furyl ether
glufosinate	DL-homoalanin-4-yl(methyl)phosphinic acid
glyphosate	*N*-(phosphonomethyl)glycine
halosafen	5-(2-chloro-α,α,α,6-tetrafluoro-*p*-tolyloxy)-*N*-ethylsulfonyl-2-nitrobenzamide
halosulfuron	3-chloro-5-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylic acid
haloxydine	3,5-dichloro-2,6-difluoropyridin-4-ol
haloxyfop	(*RS*)-2-[4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy]propionic acid
hexaflurate†	potassium hexafluoroarsenate
hexazinone	3-cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4-(1*H*,3*H*)-dione
imazamethabenz	(±)-6-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-*m*-toluic acid, and (±)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-*p*-toluic acid
imazapyr	2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid
imazaquin	(*RS*)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)quinoline-3-carboxylic acid
imazethapyr	(*RS*)-5-ethyl-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid
imazosulfuron	1-(2-chloroimidazo[1,2-*a*]pyridin-3-ylsulfonyl)-3-(4,6-dimethoxypyrimidin-2-yl)urea
ioxynil	4-hydroxy-3,5-di-iodobenzonitrile
isocarbamid	*N*-isobutyl-2-oxoimidazolidine-1-carboxamide
isomethiozin	6-*tert*-butyl-4-isobutylideneamino-3-methylthio-1,2,4-triazin-5(4*H*)-one
isopolinate	*S*-isopropyl perhydroazepine-1-carbothioate
isopropalin	4-isopropyl-2,6-dinitro-*N*,*N*-dipropylaniline
isoproturon	3-(4-isopropylphenyl)-1,1-dimethylurea
isouron	3-(5-*tert*-butylisoxazol-3-yl)-1,1-dimethylurea
isoxaben	*N*-[3-(1-ethyl-1-methylpropyl)isoxazol-5-yl]-2,6-dimethoxybenzamide
isoxapyrifop	(*RS*)-2-[2-[4-(3,5-dichloro-2-pyridyloxy)phenoxy]propionyl]-1,2-oxazolidine
karbutilate	3-(3,3-dimethylureido)phenyl *tert*-butylcarbamate
lactofen	ethyl *O*-[5-(2-chloro-α,α,α-trifluoro-*p*-tolyloxy)-2-nitrobenzoyl]-DL-lactate
lenacil	3-cyclohexyl-1,5,6,7-tetrahydrocyclopentapyrimidine-2,4(3*H*)-dione
linuron	3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea
MAMA†	ammonium hydrogen methylarsonate
MCPA	4-chloro-*o*-tolyloxyacetic acid
MCPB	4-(4-chloro-*o*-tolyloxy)butyric acid
mecoprop	(*RS*)-2-(4-chloro-*o*-tolyloxy)propionic acid
mecoprop-P	(*R*)-2-(4-chloro-*o*-tolyloxy)propionic acid
medinoterb	6-*tert*-butyl-2,4-dinitro-*m*-cresol
mefenacet	2-(1,3-benzothiazol-2-yloxy)-*N*-methylacetanilide
mefluidide	5′-(1,1,1-trifluoromethanesulfonamido)acet-2′,4′-xylidide
metamitron	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4*H*)-one
metam-sodium	sodium methyldithiocarbamate
metazachlor	2-chloro-*N*-(pyrazol-1-ylmethyl)acet-2′,6′-xylidide
metflurazon	4-chloro-5-dimethylamino-2-(α,a,α-trifluoro-*m*-tolyl)pyridazin-3(2*H*)-one
methabenzthiazuron	1-benzothiazol-2-yl-1,3-dimethylurea
methalpropalin	α,α,α-trifluoro-*N*-(2-methylallyl)-2,6-dinitro-*N*-propyl-*p*-toluidine
methazole*	2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione
methiobencarb	*S*-4-methoxybenzyl diethylthiocarbamate
methometon	6-methoxy-N^2,N^4-bis(3-methoxypropyl)-1,3,5-triazine-2,4-diamine
methoprotryne	N^2-isopropyl-N^4-(3-methoxypropyl)-6-methylthio-1,3,5-triazine-2,4-diamine
metobenzuron	(±)-1-methoxy-3-[4-(2-methoxy-2,4,4-trimethylchroman-7-yloxy)phenyl]-1-methylurea
metobromuron	3-(4-bromophenyl)-1-methoxy-1-methylurea
metolachlor	2-chloro-6′-ethyl-*N*-(2-methoxy-1-methylethyl)acet-*o*-toluidide
metosulam	2′,6′-dichloro-5,7-dimethoxy[1,2,4]triazolo[1,5-*a*]pyrimidine-2-sulfon-*m*-toluidide
metoxuron	3-(3-chloro-4-methoxyphenyl)-1,1-dimethylurea
metribuzin	4-amino-6-*tert*-butyl-3-methylthio-1,2,4-triazin-5(4*H*)-one
metsulfuron	2-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)benzoic acid
molinate	*S*-ethyl perhydroazepine-1-thiocarboxylate
monalide	4′-chloro-2,2-dimethylvaleranilide
monisouron	1-(5-*tert*-butylisoxazol-3-yl)-3-methylurea
monolinuron	3-(4-chlorophenyl)-1-methoxy-1-methylurea
monuron	3-(4-chlorophenyl)-1,1-dimethylurea
morfamquat	1,1′-bis(3,5-dimethylmorpholinocarbonylmethyl)-4,4′-bipyridyldiylium
MSMA†	sodium hydrogen methylarsonate
napropamide	(*RS*)-*N*,*N*-diethyl-2-(1-naphthyloxy)propionamide
naptalam	*N*-1-naphthylphthalamic acid
neburon	1-butyl-3-(3,4-dichlorophenyl)-1-methylurea

nicosulfuron	1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-dimethylcarbamoyl-2-pyridylsulfonyl)urea
nipyraclofen	1-(2,6-dichloro-α,α,α-trifluoro-*p*-tolyl)-4-nitropyrazol-5-ylamine
nitralin	4-methylsulfonyl-2,6-dinitro-*N*,*N*-dipropylaniline
nitrofen	2,4-dichlorophenyl 4-nitrophenyl ether
nitrofluorfen	2-chloro-α,α,α-trifluoro-*p*-tolyl 4-nitrophenyl ether
norflurazon	4-chloro-5-methylamino-2-(α,α,α-trifluoro-*m*-tolyl)pyridazin-3(2*H*)-one
noruron	3-(hexahydro-4,7-methanoindan-5-yl)-1,1-dimethylurea
orbencarb	*S*-2-chlorobenzyl diethylthiocarbamate
oryzalin	3,5-dinitro-N^4,N^4-dipropylsulfanilamide
oxadiazon	5-*tert*-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3*H*)-one
oxyfluorfen	2-chloro-α,α,α-trifluoro-*p*-tolyl 3-ethoxy-4-nitrophenyl ether
paraquat	1,1′-dimethyl-4,4′-bipyridinium
pebulate	*S*-propyl butyl(ethyl)thiocarbamate
pendimethalin	*N*-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine
pentachlorophenol	sodium pentachlorophenate
pentanochlor	*N*-(3-chloro-*p*-tolyl)-2-methylvaleramide
perfluidone	1,1,1-trifluoro-*N*(4-phenylsulfonyl-*o*-tolyl)methanesulfonamide
phenisopham	3-(isopropoxycarbonylamino)phenyl *N*-ethylcarbanilate
phenmedipham	3-methoxycarbonylaminophenyl 3′-methylcarbanilate
phenmedipham-ethyl	3-ethoxycarbonylaminophenyl 3′-methylcarbanilate
phenobenzuron	1-benzoyl-1-(3,4-dichlorophenyl)-3,3-dimethylurea
picloram	4-amino-3,5,6-trichloropicolinic acid
piperophos	*S*-2-methylpiperidinocarbonylmethyl *O*,*O*-dipropyl phosphorodithioate
pretilachlor	2-chloro-2′,6′-diethyl-*N*-(2-propoxyethyl)acetanilide
primisulfuron	2-[4,6-bis(difluoromethoxy)pyrimidin-2-ylcarbamoylsulfamoyl]benzoic acid
procyazine	2-(4-chloro-6-cyclopropylamino-1,3,5-triazin-2-ylamino)-2-methylpropionitrile
prodiamine	2,6-dinitro-N^1,N^1-dipropyl-4-trifluoromethyl-*m*-phenylenediamine
profluralin	*N*-(cyclopropylmethyl)-α,α,α-trifluoro-2,6-dinitro-*N*-propyl-*p*-toluidine
proglinazine	*N*-(4-chloro-6-isopropylamino-1,3,5-triazin-2-yl)glycine
prometon	N^2,N^4-di-isopropyl-6-methoxy-1,3,5-triazine-2,4-diamine
prometryn	N^2,N^4-di-isopropyl-6-methylthio-1,3,5-triazine-2,4-diamine
propachlor	α-chloro-*N*-isopropylacetanilide
propanil	3′,4′-dichloropropionanilide
propaquizafop	2-isopropylideneamino-oxyethyl (*R*)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionate
propazine	6-chloro-N^2,N^4-di-isopropyl-1,3,5-triazine-2,4-diamine
propham	isopropyl phenylcarbamate
propyzamide	3,5-dichloro-*N*-(1,1-dimethylpropynyl)benzamide
prosulfalin	*N*-(4-dipropylamino-3,5-dinitrophenylsulfonyl)-*S*,*S*-dimethylsulfimide
prosulfocarb	*S*-benzyl dipropylthiocarbamate
prosulfuron	1-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-3-[2-(3,3,3-trifluoropropyl)phenylsulfonyl]urea
prynachlor	2-chloro-*N*-(1-methylprop-2-ynyl)acetanilide
pyrazolynate	4-(2,4-dichlorobenzoyl)-1,3-dimethylpyrazol-5-yl toluene-4-sulfonate
pyrazosulfuron	5-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylic acid
pyrazoxyfen	2-[4-(2,4-dichlorobenzoyl)-1,3-dimethylpyrazol-5-yloxy]acetophenone
pyributicarb	*O*-3-*tert*-butylphenyl 6-methoxy-2-pyridyl(methyl)thiocarbamate
pyridate	6-chloro-3-phenylpyridazin-4-yl *S*-octyl thiocarbonate
pyrithiobac	2-chloro-6-(4,6-dimethoxypyrimidin-2-ylthio)benzoic acid
quinclorac	3,7-dichloroquinoline-8-carboxylic acid
quinmerac	7-chloro-3-methylquinoline-8-carboxylic acid
quinoclamine	2-amino-3-chloro-1,4-naphthoquinone
quinonamid	2,2-dichloro-*N*-(3-chloro-1,4-naphthoquinon-2-yl)acetamide
quizalofop	(*RS*)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionic acid
quizalofop-P	(*R*)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionic acid
rimsulfuron	1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-ethylsulfonyl-2-pyridylsulfonyl)urea
sebuthylazine	N^2-*sec*-butyl-6-chloro-N^4-ethyl-1,3,5-triazine-2,4-diamine
secbumeton	N^2-*sec*-butyl-N^4-ethyl-6-methoxy-1,3,5-triazine-2,4-diamine
sethoxydim	(±)-(*EZ*)-2-(1-ethoxyiminobutyl)-5-[2-(ethylthio)propyl]-3-hydroxycyclohex-2-enone
siduron	1-(2-methylcyclohexyl)-3-phenylurea
simazine	6-chloro-N^2,N^4-diethyl-1,3,5-triazine-2,4-diamine
simetryn	2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine
SMA+	sodium monochloroacetate
sulfallate	2-chloroally diethyldithiocarbamate
sulfentrazone	2′,4′-dichloro-5′-(4-difluoromethyl-4,5-dihydro-3-methyl-5-oxo-1*H*-1,2,4-triazol-1-yl)methanesulfonanilide
sulfometuron	2-[3-(4,6-dimethylpyrimidin-2-yl)ureidosulfonyl]benzoic acid
sulglycapin	azepan-1-ylcarbonylmethyl methylsulfamate
swep†	methyl 3,4-dichlorocarbanilate
2,4,5-T	(2,4,5-trichlorophenoxy)acetic acid
2,4,5-TB	4-(2,4,5-trichlorophenoxy)butyric acid
2,3,6-TBA	2,3,6-trichlorobenzoic acid
TCA	trichloroacetic acid
tebutam	*N*-benzyl-*N*-isopropylpivalamide
tebuthiuron	1-(5-*tert*-butyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea
terbacil	3-*tert*-butyl-5-chloro-6-methyluracil
terbucarb	2,6-di-*tert*-butyl-*p*-tolyl methylcarbamate
terbuchlor	*N*-butoxymethyl-6′-*tert*-butyl-2-chloroacet-*o*-toluidide
terbumeton	N^2-*tert*-butyl-N^4-ethyl-6-methoxy-1,3,5-triazine-2,4-diamine
terbuthylazine	N^2-*tert*-butyl-6-chloro-N^4-ethyl-1,3,5-triazine-2,4-diamine
terbutryn	N^2-*tert*-butyl-N^4-ethyl-6-methylthio-1,3,5-triazine-2,4-diamine
tetrafluron	1,1-dimethyl-3-[3-(1,1,2,2-tetrafluoroethoxy)phenyl]urea
thenylchlor	2-chloro-*N*-(3-methoxy-2-thenyl)-2′,6′-dimethylacetanilide
thiazafluron	1,3-dimethyl-1-(5-trifluoromethyl-1,3,4-thiadiazol-2-yl)urea

thiazopyr	methyl 2-difluoromethyl-5-(4,5-dihydro-1,3-thiazol-2-yl)-4-isobutyl-6-trifluoromethylnicotinate
thifensulfuron	3-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)thiophen-2-carboxylic acid
thiobencarb	*S*-4-chlorobenzyl diethylthiocarbamate
tiocarbazil	*S*-benzyl di-*sec*-butylthiocarbamate
tralkoxydim	2-[1-(ethoxyimino)propyl]-3-hydroxy-5-mesitylcyclohex-2-enone
tri-allate	*S*-2,3,3-trichloroallyl di-isopropyl(thiocarbamate)
triasulfuron	1-[2-(2-chloroethoxy)phenylsulfonyl]-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea
tribenuron	2-[4-methoxy-6-methyl-1,3,5-triazin-2-yl(methyl)carbamoylsulfamoyl]benzoic acid
triclopyr	3,5,6-trichloro-2-pyridyloxyacetic acid
tridiphane	(*RS*)-2-(3,5-dichlorophenyl)-2-(2,2,2-trichloroethyl)oxirane
trietazine	6-chloro-N^2,N^2,N^4-triethyl-1,3,5-triazine-2,4-diamine
trifluralin	α,α,α-trifluoro-2,6-dinitro-*N*,*N*-dipropyl-*p*-toluidine
triflusulfuron	2-[4-dimethylamino-6-(2,2,2-trifluoroethoxy)-1,3,5-triazin-2-ylcarbamoylsulfamoyl]-*m*-toluic acid
trifop	(*RS*)-2-[4-(α,α,α-trifluoro-*p*-tolyloxy)phenoxy]propionic acid
trifopsime	acetone (*R*)-*O*-[2-[4-(α,α,α-trifluoro-*p*-tolyloxy)phenoxy]propionyl]oxime
trimeturon*	3-(4-chlorophenyl)-1,1,2-trimethylisourea
tripropindan	6-isopropyl-1,1,4-trimethyl-5-propionylindane
vernolate	*S*-propyl dipropylthiocarbamate

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International Mycological Institute
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- support for integrated pest management and biological control
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- research on human mycoses and tropical parasitic diseases
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